

# New Major in Bioengineering Prompted by Student Interest

By Shuai Chen

MIT plans to offer a new bioengineering major to students in the class of 2009. The major is currently under development and will expand on the already-existing Biomedical Engineering minor.

The major may be available to students in the class of 2008, though there is "no expectation students coming in now can do it" said Linda G. Griffith, chair of the Bioengineering Undergraduate Program Committee.

Before bioengineering can officially become a major, it will have to be approved by the Committee on Curricula, the Committee on Undergraduate Programs, the Faculty Policy Committee, and eventually the whole faculty.

The bioengineering division has not yet submitted a proposal to the curriculum committee, said David Micus, the executive officer of the curriculum committee.

## Student interest sparks major

The new major is being devel-

oped because of "interest on [the] part of the students" said Robert P. Redwine, Dean of Undergraduate Education.

Alexis R. DeSieno '05, the president of the Biomedical Engineering Society, said that "based on the Activities Midway, we had around a hundred freshmen" express interest in a future bioengineering major.

However, the labs that will be used for bioengineering classes currently only have enough space for "around fifty students per class" said Roger D. Kamm, a professor of biological engineering.

Griffith said that it is "too early on in the stage" to decide what to do if more than fifty students enroll in the program.

## New classes planned for BE major

The core curriculum of the bioengineering major will include many classes already offered, as well as some new classes.

Under development for the bioengineering core are classes such as Genetics and Genomics, Bio-

molecular Kinetics and Cell Dynamics, and Biological Instrumentation and Measurement laboratory. Classes that are currently offered and will also be in the bioengineering core include Differential Equations (18.03), Organic Chemistry (5.12), Laboratory Fundamentals in Biological Engineering (BE.109), and Statistical Thermodynamics of Biomolecular Systems (BE.011/2.772J).

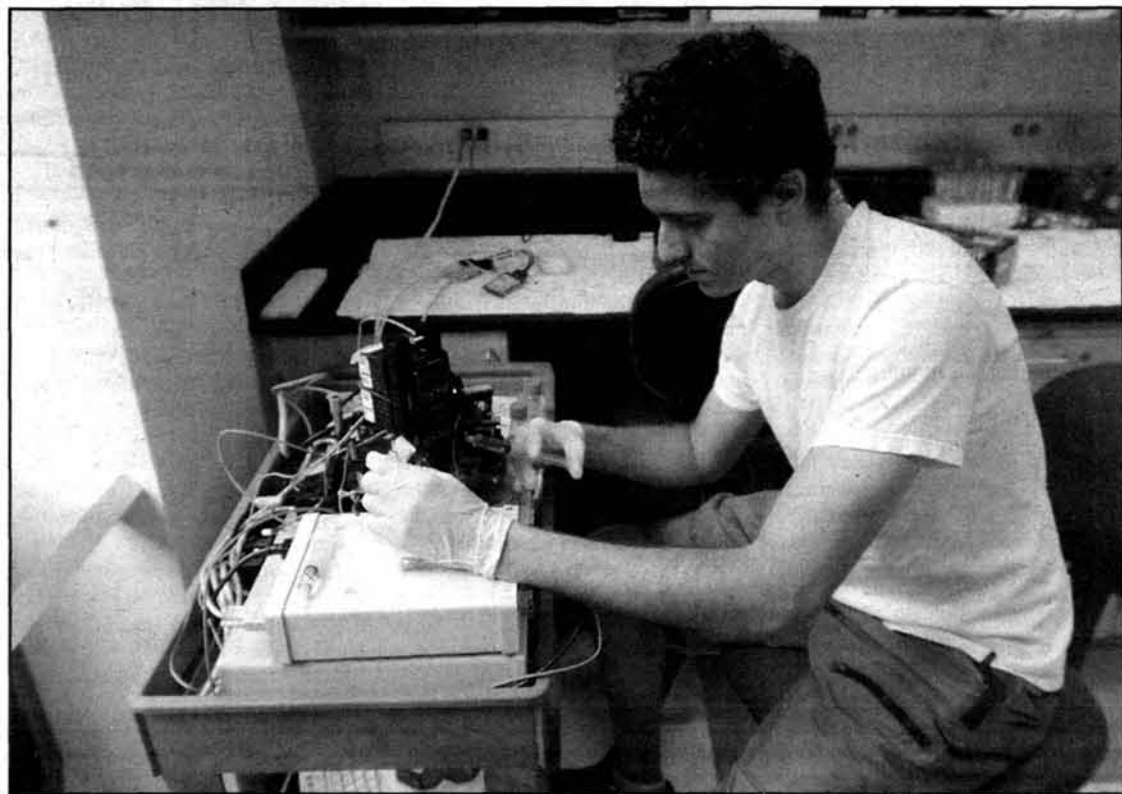
The bioengineering department is also offering a "internship program connected with companies [that] should be available before the major," Griffith said.

The faculty for the new bioengineering major will be drawn from those already teaching at MIT. Over the past five years, there has been a "gradual increase in faculty" in this area, Griffith said.

"At this point, most of the faculty who would be teaching are already here," Kamm said.

They have "more than 30 faculty in the division and around twenty

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WENDY GU—THE TECH

Geoffrey A. Becker '05 works on a modified inkjet printer that prints with proteins instead of black pigment in the lab of Shuguang Zhang, associate director of the Center for Biomedical Engineering. The printer will be used to print collagen patterns on which neurons will be placed to study how they compute.

# MITFCU Might Have to Start Paying Rent Under Proposed Payment Plan

By Julián E. Villarreal

A rental plan proposed by MIT would force the MIT Federal Credit Union to begin paying rent for space that it currently occupies rent-free.

Under the proposed lease agreement, MITFCU would be charged for its current space in Building E19, should it choose to remain

there. The rent payment plan is still under discussion, and MITFCU has not yet decided if it will stay on campus and pay for the space.

MIT Comptroller James L. Morgan also said that no decision has been made for the amount of rent payments or the specific details that a rent plan would entail. But, Morgan said, if the credit union wishes

to stay on campus, they will definitely be paying rent.

"Being charged rent would be an additional expense we [would] incur," said MITFCU Chief Executive Officer Brian W. Ducharme.

The MIT Federal Credit Union, which was established in 1940, is

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# Pledge Numbers Even With Last Year's Rush

By Angelin R. Baskaran

Fraternity rush results have so far been similar to last year's, but pledging is somewhat more uniform across fraternities.

Fraternities have offered 422 bids to 333 male students, according to statistics provided by the Interfraternity Council. By yesterday, 270 of those students had pledged, compared with 286 last year, 319 in 2001, and 313 in 2000. About 35 students still have bids open.

There was some concern as to the accuracy of the IFC's rush numbers. Sigma Phi Epsilon originally reported four pledges to the IFC, but the correct number is one pledge, said F. Rene Anziani '04, the fraternity president.

John J. Huss '05, the IFC rush chair, concurred with the change, saying he thought SPE probably reported the original number out of embarrassment. "I would be shocked if any of the other houses were incorrect," Huss said.

## Distribution of pledges evens out

The distribution of pledges per fraternity was somewhat more uniform this year than last year, according to the IFC statistics. Last year, several fraternity rush chairs complained that some fraternities received too many pledges to house

and others received very few.

The standard deviation in pledges per fraternity increased dramatically last year, as fraternity rush occurred during the school year for the first time in more than 20 years.

The average number of pledges per fraternity is 10.0 so far this year, compared with 10.6 at the end of Rush last year. The standard deviation so far this year is 5.0 students per fraternity, compared with 5.4 last year, 4.1 in 2001, and 3.5 in 2000.

Several fraternities who did poorly in the previous rush picked up in numbers this year. Delta Kappa Epsilon received nine pledges this year after receiving no pledges last year.

## Freshmen find their matches

Freshmen said they were happy with rush week. "It was a great chance to see all the fraternities and what they were about," said Joshua J. Whitman '07, who pledged Kappa Sigma "because I really liked the guys, the guys' attitudes, and the house," he said. "I got to know them well. It was just a great fit for me."

MIT's independent living groups had their first rush independent of the fraternities this year. Student House was the only ILG to release statistics to *The Tech*. It extended three bids and received three pledges.

## Bids and Pledges

| Fraternity          | Pledges | Lost | Open Bids |
|---------------------|---------|------|-----------|
| Alpha Delta Phi     | 11      | 6    | 1         |
| Alpha Epsilon Pi    | 7       | 3    | 0         |
| Alpha Theta Omega   | 13      | 3    | 1         |
| Beta Theta Pi       | 9       | 3    | 2         |
| Chi Phi             | 12      | 8    | 0         |
| Delta Kappa Epsilon | 9       | 5    | 1         |
| Delta Tau Delta     | 20      | 1    | 0         |
| Delta Upsilon       | 13      | 4    | 1         |
| Kappa Sigma         | 15      | 7    | 0         |
| Lambda Chi Alpha    | 5       | 5    | 2         |
| Number 6 Club       | 12      | 1    | 1         |
| Nu Delta            | 4       | 7    | 1         |
| Phi Beta Epsilon    | 10      | 7    | 1         |
| Phi Delta Theta     | 15      | 6    | 1         |
| Phi Kappa Sigma     | 19      | 5    | 0         |
| Phi Kappa Theta     | 12      | 4    | 5         |
| Phi Sigma Kappa     | 8       | 11   | 2         |
| Pi Lambda Phi       | 10      | 2    | 2         |
| Sigma Chi           | 13      | 4    | 1         |
| Sigma Nu            | 10      | 2    | 0         |
| Sigma Phi Epsilon   | 1       | n/a  | n/a       |
| Tau Epsilon Phi     | 0       | 0    | 3         |
| Theta Chi           | 12      | 1    | 0         |
| Theta Delta Chi     | 1       | 3    | 5         |
| Theta Xi            | 7       | 3    | 3         |
| Zeta Beta Tau       | 14      | 3    | 0         |
| Zeta Psi            | 8       | 2    | 6         |
| Total:              | 270     |      |           |

(Source: SPE)

These fraternity rush numbers reflect those submitted so far to the Interfraternity Council.

SOURCE: INTERFRATERNITY COUNCIL

## RIAA Documents Online

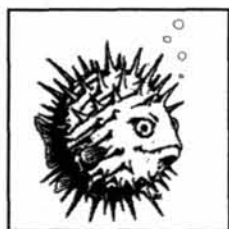
To our readers:

The Tech has placed an archive of court documents related to the subpoena to MIT from the Recording Industry Association of America at: <http://www-tech.mit.edu/Bulletins/RIAA>



The Red Hot  
Chili Peppers  
play the  
Tweeter.

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NEWS

Complete vote tallies in the class council and Undergraduate Association elections.

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# WORLD & NATION

## Isabel Still Has More Than 700,000 Left in the Dark

THE NEW YORK TIMES

ALEXANDRIA, VA.

Utility companies made major strides to restore power in parts of Maryland and northern Virginia on Monday, but severe damage sharply slowed work in southern Virginia and North Carolina, leaving more than 700,000 homes and businesses there dark for yet another day.

With frustration growing over the pace of repairs, utility officials could offer little good news for the storm-ravaged areas of Richmond and Tidewater in Virginia, and eastern North Carolina, saying most people there could not expect to have power until Thursday or later.

"In many cases, we're not just making repairs, we're having to rebuild the system from ground up," said Neil Durbin, a spokesman for Dominion Virginia Power Co. "There are place where there are more poles and wires down on the ground than are standing."

The number of deaths attributed to Hurricane Isabel also rose Monday to at least 34, confirming official predictions that the post-storm period might be nearly as dangerous as the storm itself. About half of those deaths have occurred since Friday, when Isabel had already passed over the region.

## FDA to Push Firms to Make Ads Clearer About Drug Risks

THE BOSTON GLOBE

WASHINGTON

In response to criticism from doctors and consumer groups, the Food and Drug Administration will ask drug companies to do a better job of explaining medical risks in their increasingly imaginative commercial spots, while allowing yellow toenail-fungus monsters and traffic cops who "gotta go" to continue appearing on American airwaves.

The FDA Monday opened two days of hearings on the subject of consumer advertising, for the first time publicly presenting survey data that shows prescription advertising is generating widespread skepticism among doctors.

Fully 70 percent of general practitioners said they believe the advertising "confuses relative risks and benefits," while 75 percent said it causes patients "to think drugs work better than they really do," the FDA's survey said.

Despite those findings, there is little chance of a reversal in the way drugs are being marketed in the United States. American pharmaceutical companies, which got the green light for prescription ad campaigns in 1997, spend nearly \$3 billion a year on consumer advertising, pushing greater limits of creativity with every season.

## All 9 Members of a NASA Safety Panel Resign

THE NEW YORK TIMES

WASHINGTON

All nine members of a panel of outside experts established by Congress to advise NASA on safety resigned on Monday, with several citing frustration over their lack of influence.

The Aerospace Safety Advisory Panel, established after NASA's first major accident, the 1967 Apollo 1 fire that killed three astronauts, was criticized by the Senate Appropriations Committee for failing to have foreseen problems leading to the Columbia crash, and in a report on the crash released last month that called the panel "independent, but often not very influential."

As an example, the Columbia investigators noted that the advisory panel, known as the ASAP, had complained in 1995 that NASA officials were treating the space shuttle as mature and that the situation "smacks of a complacency which may lead to serious mishaps." The Columbia investigators found just such complacency leading up to the accident on Feb. 1 that destroyed the shuttle.

## Spokane Teen Wounded After Holding Classroom Hostage

By Sarah Kershaw

THE NEW YORK TIMES

A 17-year-old student at a high school in Spokane, Wash., was shot by the police Monday after firing a gun and barricading himself in a science classroom with three other students and a teacher, the authorities said.

The teenager, a junior at Lewis and Clark High School near downtown Spokane, was in surgery late Monday with his condition listed as "life threatening."

His identity was withheld because of his age.

The student entered the school, which has no metal detectors, with a 9 mm semiautomatic pistol that investigators believe he obtained at home, Spokane Police Chief Roger Bragdon said.

The police received a 911 call at 11:10 a.m. reporting that an agitated student in a third-floor classroom had fired a gun, Bragdon said in an interview. Officers, including a

SWAT team and negotiators arrived by 11:25 a.m. and school officials evacuated 2,000 students using a fire alarm. At some point before the 90-minute standoff, the three other students and the teacher had escaped the classroom without the authorities knowing, Bragdon said.

He said the armed student was shot by three officers after he made a "threatening gesture."

The student was standing atop a filing cabinet in the classroom, which he had used to block the door, and was speaking to officers through a crack in the door when he pulled out the pistol, Bragdon said.

"The officers were threatened, by person with a handgun who had already fired one shot, and they did what they had to do," he said. "Our problem was that we thought he had hostages, we were never able to confirm that he was alone. The entire time we were worried about hostages."

The police officers had taken

special training called "active shooter response" in the aftermath of the Columbine, Colo., shootings.

Investigators said the student's motive was still unclear.

The superintendent of Spokane Public Schools, Brian Benzel, speaking at a televised news conference outside the school, praised the police and school's response.

"Unfortunately we have weapons in our society," he said. "We have prepared ourselves to deal with that. I think today's incident demonstrated the effectiveness."

Benzel said the school district had not ruled out the use of metal detectors and would not make a decision "until we have an opportunity to review with the police department and others how things went today."

He said school officials had scheduled a meeting Monday night to provide a "crisis team" for any parents or students feeling distraught.

## Ashcroft Toughens Bargaining Rules for Federal Prosecutors

By Eric Lichtblau

THE NEW YORK TIMES

WASHINGTON

Attorney General John Ashcroft on Monday made it tougher for federal prosecutors to strike plea bargains with criminal defendants, requiring attorneys to seek the most serious charges possible in almost all cases.

The policy directive issued by Ashcroft is the latest in a series of steps the Justice Department has taken in recent months to combat what it sees as dangerously lenient practices by some federal prosecutors and judges.

The move also effectively expands to the entire gamut of federal crimes the attorney general's tough stance on the death penalty, which he has sought in numerous cases over the objections of federal prosecutors.

"The direction I am giving our U.S. attorneys today is direct and emphatic," Ashcroft said at a speech in Milwaukee. Except in

"limited, narrow circumstances," he said, federal prosecutors must seek to bring charges for "the most serious, readily provable offense" that can be supported by the facts of the case.

But critics in the defense bar and some federal prosecutors said the new policy would serve only to further centralize authority in the hands of Washington policy-makers, discourage prosecutors from seeking plea bargains, and ratchet up sentences in criminal cases that may not warrant them.

"What is driving this," said Gerald D. Lefcourt, past president of the National Association of Criminal Defense Lawyers, "is that a tough-on-crime attorney general is pandering to the public, and he knows that this will play well."

Several federal prosecutors said they were deeply concerned about the new policy, which was first reported in The Wall Street Journal.

A West Coast prosecutor who

spoke on condition of anonymity said that while it may be difficult for officials in Washington to enforce the new policy, it nonetheless puts significant pressure on prosecutors to explain their actions and will most likely result in fewer plea bargains in many jurisdictions.

"There's no doubt this could have a real impact on all of us," the prosecutor said.

The policy change is likely to escalate a debate that has become increasingly contentious over how prosecutors and judges mete out justice in the federal courts.

With the backing of many Republicans in Congress, the Justice Department has sought to impose greater uniformity and "accountability" in federal cases.

In addition to the expanded use of the death penalty, Ashcroft also announced a plan last month to track data on judges who give lighter sentences than federal guidelines prescribe.

## WEATHER

### Hurricane Isabel Hits Mid-Atlantic Hard

By Samantha L. H. Hess

STAFF METEOROLOGIST

After six years of MIT, I had learned how to deal without many things, such as sleep and sanity. Water and power, however, are another story.

Isabel hit the outer banks of North Carolina around 2 p.m. on Thursday. Three hours before then, hundreds of miles inland, in Richmond, Virginia, there was already a wind-driven downpour. At my house, cable (and therefore Internet) went out by 4 p.m., and the power died at 5 p.m. At 9 p.m., with the storm still intensifying, the battery-powered radio alerted us to prepare to lose running water, which we did the next day for about 14 hours. Power is still out nearly four days later; about 25 percent of Virginians will have to wait more than a week to regain power. Some are still waiting for water. Most of the state sustained heavy damage unlike anything we've seen in decades.

Richmond was relatively lucky. Although there were sustained winds in the 40-60 mph range, with gusts up to around hurricane strength, it was not as strong as at the coast. We "only" received five inches of rain; some locations received more than a foot. However, the incredibly wet summer had created soggy, loose soil conditions. Isabel was easily able to knock over even large oak trees; fallen trees, and the destruction they caused, constituted most of the damage.

The city of Boston prepared for Isabel by removing the Swan Boats from the Public Garden early... but this was an unnecessary precaution. After this pretty weekend, however, rain is on the way.

#### Extended Forecast

**Today:** Showers, heavy at times. High 73°F (23°C).

**Tonight:** Showers ending, then clearing. Low 57°F (14°C).

**Wednesday:** Mostly sunny. High 76°F (24°C), low 54°F (12°C).

**Thursday:** Clouds moving in, showers at night. High 74°F (23°C), low 56°F (13°C).

Situation for Noon Eastern Daylight Time, Tuesday, September 23, 2003



| Weather Systems | Weather Fronts     | Precipitation Symbols          | Other Symbols                     |
|-----------------|--------------------|--------------------------------|-----------------------------------|
| H High Pressure | - - - Trough       | Snow *<br>Showers ∇<br>Light * | Fog ☁<br>Thunderstorm ⚡<br>Haze ☁ |
| L Low Pressure  | — Warm Front       | Moderate **<br>Heavy ***       |                                   |
| § Hurricane     | ▲ Cold Front       |                                |                                   |
|                 | — Stationary Front |                                |                                   |

Compiled by MIT  
Meteorology Staff  
and The Tech

# Lack of Police Records Renders Clues Useless in Iraq Bombing

By David Johnston  
THE NEW YORK TIMES

WASHINGTON

Investigators have recovered a severed hand, an Iraqi license plate and vehicle parts bearing a unique identification number from a Russian flatbed truck that carried the tremendous bomb that exploded on Aug. 19 outside the U.N. mission in Baghdad, senior government officials have said.

Normally, a rich collection of clues like these is enough to crack just about any criminal case in the United States. It was this kind of physical evidence that enabled investigators to quickly solve the bombing of the Oklahoma City federal building in 1995 and the first World Trade Center attack in 1993.

But the evidence so far has proved to be of little help in Iraq, where a suicide bomber struck again on Monday at the U.N. mission in Baghdad, killing himself and an Iraqi police officer, the officials said.

The problem, investigators said, is that classic crime-solving tech-

niques rapidly run into the harsh realities of postwar Iraq, which is almost devoid of police records and motor vehicle registration files, not to speak of more exotic items like databases of fingerprints or DNA.

Some investigators have given up writing down confusing Baghdad addresses by street and number, resorting instead to a handheld Global Positioning System unit.

"There are unique challenges over there," said Larry Mefford, a senior FBI official in charge of counterterrorism investigations. "But we're making headway, and we're still in the mode of collecting information to see if we can better understand who is behind the bombings."

The first bombing at the U.N. compound in Baghdad killed 23 people, including three Americans and Sergio Vieira de Mello, the top U.N. envoy to Iraq. That and other large attacks, like the assaults on the Jordanian Embassy in Baghdad on Aug. 7 and on the Imam Ali Mosque in Najaf on Aug. 29, have underscored the fragility of the peace in Iraq and

the tenacity of the resistance to the American-led occupation.

They also point to the futility, to date, of efforts to bring the bombers to justice.

In the absence of a fully functioning Iraqi police force or national intelligence service, agencies like the Army's Criminal Investigative Division and the FBI have taken on a larger role. In a few cases in the past, the FBI has taken charge of overseas investigations, like the inquiry into the bombings of the U.S. embassies in Kenya and Tanzania in 1998.

U.S. authorities suspect that the bombings may have been carried out by loyalists to Saddam Hussein's government, possibly aided by followers of al-Qaida or other terror networks. But so far, investigators have been stymied in establishing with certainty not only who is behind the bombings but also who has been plotting the smaller but often lethal roadside attacks on U.S. troops and Iraqis working with the occupation forces.

# Massachusetts Governor Considers Reinstating Capital Punishment

By Pam Belluck  
THE NEW YORK TIMES

BOSTON

Bucking the national pattern of states and juries seeking to rein in the use of the death penalty, Gov. Mitt Romney of Massachusetts said on Monday that he had assembled a committee of experts to help him draft a law that would institute capital punishment in Massachusetts.

The governor and the lieutenant governor, Kerry Healey, said in interviews that the committee, comprised of legal and forensic experts from Massachusetts and elsewhere, would be asked to help draft legislation that would avoid the mistakes that have led, in several states, to the convictions of people later found to be innocent.

"I really am looking for a standard of certainty," said Romney. "That's why I've asked this panel of experts to determine if a legal and forensic standard can be crafted to assure us that only the guilty will suffer the death penalty. I believe it can be."

Massachusetts is one of 12 states that does not have the death penalty, having abolished capital punishment in 1984. The state has not executed

anyone since 1947.

A succession of governors over the last 12 years, all Republican like Romney, have tried to reinstate capital punishment, and the closest the state came was in 1997, when, fueled by outrage over the rape and murder of a 10-year-old boy, a death penalty bill failed on a tie vote in the state House of Representatives.

Since then, sentiment against the death penalty has grown in the Legislature, with the last bill losing in 2001 by 34 votes in the House. These days, even death penalty proponents in the Legislature say they are solidly outnumbered by opponents.

In an interview, Healey, who is a criminologist, acknowledged that much of the sentiment among legislators here and across the country was wariness toward capital punishment.

"The tide really has turned somewhat," Healey said. "Because of increasing forensic evidence and exonerations of inmates, people are really not satisfied with the quality of death penalty legislation. Even some proponents of the death penalty are concerned about proposing legislation — or using existing legislation."

But, she said, "it is very timely to be talking about how to recraft the death penalty at a time when flaws in existing legislation are being revealed so broadly. We need to reconsider whether or not death penalty legislation is viable, and the governor and I believe it is viable and necessary."

Experts on the death penalty said the governor's desire to reestablish capital punishment in Massachusetts appeared to be swimming against the national tide. In 2000, Gov. George Ryan of Illinois imposed a moratorium on the death penalty and this year granted clemency or a shortened sentence to all 167 inmates on death row. And as more than 100 people on death rows have been exonerated, other states have abridged or considered abridging the use of the death penalty.

In addition, juries in both state and federal cases have become increasingly reluctant to impose the death penalty. Prosecutors in many states have hesitated to seek capital punishment because of the long odds of getting a death sentence and the high cost of trying. In 2001, the number of people on death row dropped for the first time in a decade.

# U.N. Report Card Gives Countries Low Marks in World's Fight Against AIDS

By Lawrence K. Altman  
THE NEW YORK TIMES

UNITED NATIONS

The first report card on the United Nation's 2-year-old commitment to defeat AIDS gives the world's countries generally low marks in their efforts to overcome ignorance about the disease and provide access to prevention and treatment measures, U.N. officials said Monday.

At the General Assembly's special session on AIDS in June 2001, U.N. members agreed that defeating AIDS would take commitment, resources and action.

"Today, we have the commitment," and "our resources are increasing," Secretary-General Kofi Annan SM '72 said at a meeting following up the declaration, which contained deadlines for battling the epidemic.

But the report card issued Monday, based on information provided by 103 governments, shows that the action "is still far short of what is needed," Annan said.

Dr. Peter Piot, the director of the U.N. AIDS program, said, "The grades are barely a pass."

He added, "There isn't a single A in the report card." The United Nations estimates that 42 million people are infected with HIV, half of them women, and that the vast majority live in sub-Saharan Africa. Without an expanded response, the United Nations estimates that an additional 45 million people will become HIV-infected by 2010.

Referring to these figures, U.S. Secretary of State Colin L. Powell told the United Nations on Monday that "AIDS was more devastating than any weapon of mass destruction."

The declaration of commitment adopted in 2001 by 189 countries was intended to halt and reverse the AIDS pandemic by 2015. It was regarded as a turning point in the global response to AIDS and a recognition that the epidemic was a threat to the security of many coun-

tries.

The U.N. declaration was followed by a 20 percent increase in funding, to \$4.7 billion, in low- and middle-income countries. Of that amount, 57 percent comes from sources outside the affected countries. The \$4.7 billion is five times the amount spent in 1996 but less than half the \$10 billion required for an effective response in 2005 and one-third of what will be needed by 2007, Piot said.

In part because of inadequate funding, many countries will not meet basic goals like rapidly expanding AIDS prevention and care that were expected of them by 2005.

One goal is to ensure that by 2005 at least 80 percent of pregnant women have access to information, counseling and treatment to prevent transmission of the AIDS virus. But such services remain virtually nonexistent in the countries that are worst affected by AIDS, according to the report card that Piot's agency issued here Monday.

# Recall Supporters Confident After Appeals Court Hearing

THE NEW YORK TIMES

SAN FRANCISCO

Encouraged by hard-hitting questions posed by a federal appeals court here Monday, California officials predicted the recall election for Gov. Gray Davis would occur as scheduled in 15 days.

"I am convinced by this very vigorous argument that the election will be held Oct. 7," Attorney General Bill Lockyer said outside the 9th U.S. Circuit Court of Appeals. "Based on the legal arguments I heard raised, I think the plaintiffs have failed to make a sufficient finding."

The state's top election official, Secretary of State Kevin Shelley, was so confident of victory that he issued a public reminder to voters that Monday was the last day to register to vote for the election and that Sept. 30 was the last day to request an absentee ballot.

Shelley said he expected a decision from the court soon, and a court spokeswoman said that it might come as early as Tuesday morning.

"Voters deserve finality so we can prepare this election," Shelley said.

The optimism on the part of state officials was based in part on the tone of a 70-minute hearing Monday, which was held before 11 of the 26 active 9th Circuit judges. Nine of the judges raised blunt and often skeptical questions about the request to delay the election made in a lawsuit by the American Civil Liberties Union.

# Panel Finds Air Force Ignored Frequent Warnings on Rapes

THE NEW YORK TIMES

WASHINGTON

Top leaders of the U.S. Air Force disregarded persistent warnings over the last decade that frequent and unpunished sexual assaults were undermining its academy in Colorado Springs, Colo., a civilian commission investigating the matter reported Monday.

The commission also said that the Air Force's general counsel largely ignored this history of official neglect when he reported on rape at the academy this year, in an effort "to shield Air Force Headquarters from public criticism."

The blistering report released here by the commission, led by Tillie Fowler, a former congresswoman from Florida, said that sexual assault had been a problem at the academy throughout the last decade, and possibly since women were first admitted in 1976.

"The sexual assault problems at the academy are real and continue to this day," Fowler, a Republican, said at a news conference. She added, "We found a deep chasm in leadership during the most critical time in the academy's history — one that extended far beyond its campus in Colorado Springs."

The findings came as something of a surprise to victims' advocates. Many of them had initially criticized the panel's makeup as biased against women in the military, prompting the resignation of one member and the former director even before the panel began its work. Its members were appointed by Defense Secretary Donald H. Rumsfeld.

# Clark's Plan Includes New Patriotism, Respects Dissent

THE NEW YORK TIMES

CHARLESTON, S.C.

Gen. Wesley K. Clark on Monday called for "a new American patriotism" that would encourage broader public service, respect domestic dissent even in times of war, and embrace international organizations like the United Nations.

Clark, a former NATO military commander and retired Army officer who last week announced his candidacy for the Democratic presidential nomination, accused the Bush administration of neglecting the nation's economic problems and of pursuing a dangerous go-it-alone foreign policy.

But he also used the setting of the Citadel, a military college here, to appeal to the 150 cadets and civilians assembled on the parade grounds to help restore something loftier: a sense of national spirit that he suggested the administration's campaign against terror had corroded.

"We've got to have a new kind of patriotism that recognizes that in times of war or peace, democracy requires dialogue, disagreement and the courage to speak out," Clark said. "And those who do it should not be condemned but be praised."

Clark made it clear that he believed the administration had unfairly singled out whole classes of immigrants for fear of a minority within them. "Three million Muslims have come to this country from Asia and the Middle East," he said. "They didn't come because they were afraid of our values. They came because they wanted to live under them."

# As 3 Billion Birds Fly South, Scientists Head North to Study

THE NEW YORK TIMES

It's autumn, and the vast boreal forest of Canada is spilling birds. Ducks and geese are pouring out of it, and songbirds in the billions.

Some will winter in New York state, some in Costa Rica. Some will stop at bird feeders, some will fly directly over hidden hunters. In all, 3 billion to 5 billion birds leave the Canadian boreal forest each fall, headed for warmer weather.

As the birds fly south, many of the people most involved with the Canadian boreal, which makes up 10 percent of all the earth's forests and 25 percent of the intact, original forests, are heading for Quebec City.

The 12th World Forestry Congress is convening there this week, and preservation of the boreal forest is a major subject of discussion. Conservationists hope to reach agreement with industry now on how to set aside some parts of the forest and agree on management policies for other areas.

Three environmental groups — Greenpeace, the Natural Resources Defense Council and Forest Ethics — joined together last week to release a brief report on threats to the forest and to demand a moratorium on logging and development in the most endangered parts of the boreal forest until a conservation plan is developed. It is not that the forest is in immediate danger of disappearing. Just the opposite is true.

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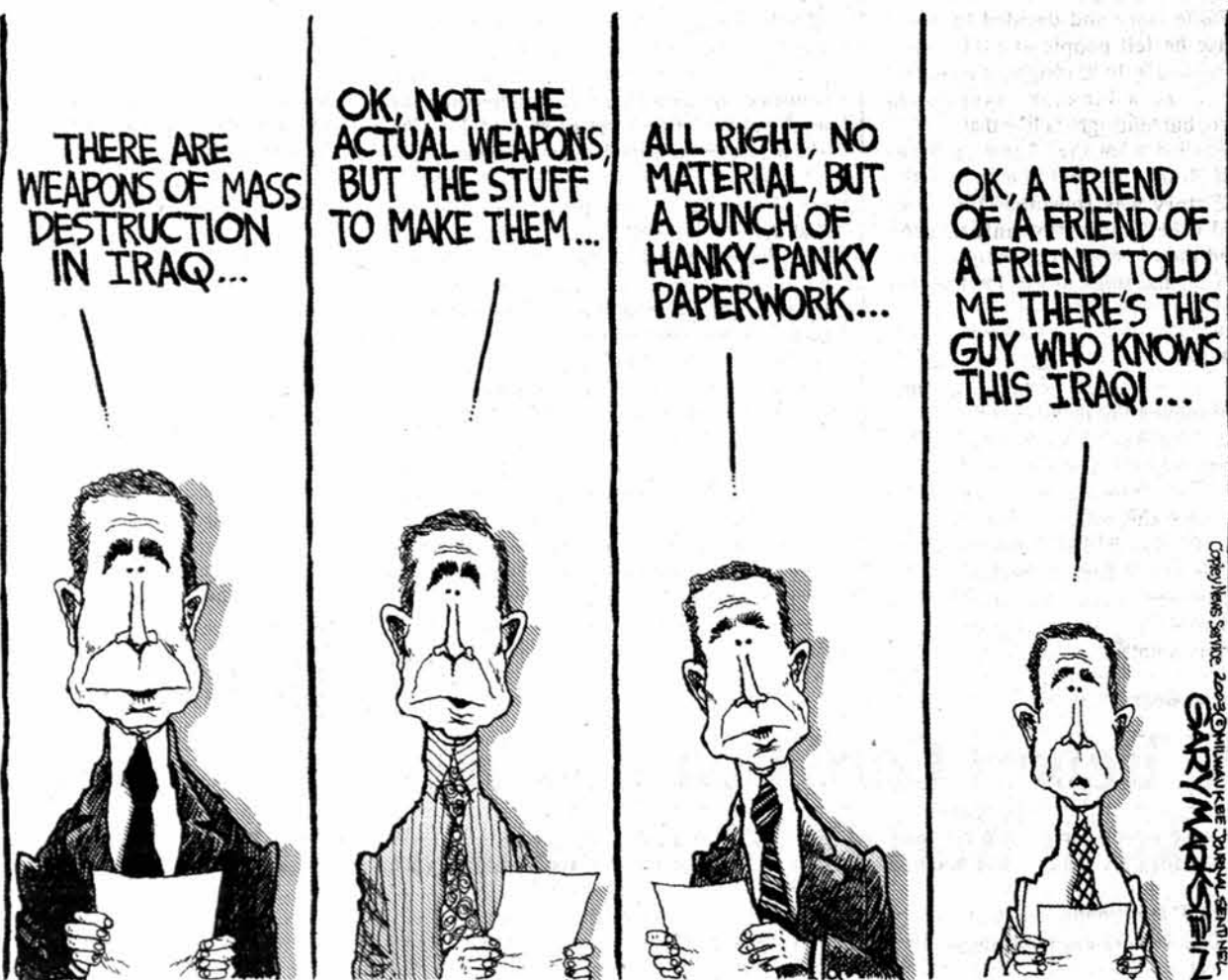
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**"I understand you keep a list of who's naughty and nice . . . You know, we could really USE that information."**



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## The Ombudsman

By John A. Hawkinson

### Feedback

*The Tech* doesn't get enough feedback for my taste: too few news tips to [news@tt](mailto:news@tt), letters to [letters@tt](mailto:letters@tt), and e-mail to me ([o@tt](mailto:o@tt)). Even when *The Tech* e-mailed hundreds of people and printed an apology on page 4, there were a grand total of zero letters. Hello?

### Hacking teaser

Stay tuned for some hacking commentary. Recent news and photo coverage in *The Tech* has touched on roof and tunnel hacking multiple times (most recently the Sep. 16 front page photo of students on the small dome), generating substantial communication to the Ombudsman, and I'm still assembling and researching a response. What should *The Tech's* role be?

### The Boston Globe and Stata

Last week, Tuesday's *Tech* reprinted a *Globe* story from last Thursday, which reported that "a June press release from a Stata Center supplier put the cost at \$430 million" ("The Boston Globe On MIT's Stata Center"); on Friday, we ran "Stata Budget Actually \$283.5M, Not *Globe's* \$430M" by Beckett W. Sterner. Looking back, the question I ask is, "Shouldn't *The Tech* have known the \$430M number was suspect, and perhaps not run the *Globe* story?" Sterner was assigned the story on Sunday.

By Monday's deadline for Tuesday's issue, there was no compelling reason to be skeptical of the \$430M figure. Sure, maybe questions like, "If this has been known since June, why are we only finding out now?" could have been asked.

Keith Winstein, news editor for Tuesday's issue, talked to Sterner about the *Globe* story and decided to run it because he felt people at MIT would want to read it. In hindsight, it would be nice to see a bit more skepticism applied, but hindsight is like that.

Knowing what they knew on Monday, I think the decision to run the *Globe* story was fine; the story contained other interesting information beyond the erroneous dollar figure, and it also set the stage nicely for Friday's story.

### RIAA

In response to my probing, Winstein finally moved his details on the RIAA lawsuit (copies of subpoenas, court motions by MIT and the RIAA, court orders, etc.) from his own Web site to *The Tech's* site, at <http://www-tech.mit.edu/Bulletins/RIAA/>. Unfortunately, this still hasn't been published in *The Tech*, despite repeated expressions of intent to do so. Apparently this issue will carry a note.

### Editorial Board

Recently I've been critical of *The Tech's* editorial board. It looks to me like they are starting to do a much better job of organizing themselves, and giving themselves the time to do adequate research on topics they write about. I hope this bodes well.

Also, I've been thinking that the editorial board could use topic suggestions from readers. There's not a great mechanism for that; I suggest e-mailing [letters@tt](mailto:letters@tt) (which reaches the opinion editors, who run the editorial board, and also reaches me) indicating your message is an editorial suggestion, not a letter for publication. You may also ask me ([o@tt](mailto:o@tt)) to pass on suggestions anonymously.

### Star Market not closing

Recently, *The Tech* heard a rumor that Star Market might be closing; news staff researched this and found it without merit, so no story ran. It might be nice if there was some mechanism for *The Tech* to be able to tell readers that there is no story, at least, when debunking rumors. I don't know how to balance this low-priority work against stories of greater significance. Perhaps the news staff should tell people who submit tips that don't pan out?

*The Tech's Ombudsman welcomes your feedback, to ombudsman@the-tech.mit.edu. His opinions are his own.*

# Why America Must Change

Basil Enwegbara

There is no way one can spend over two years in the United States without falling in love with its great people; they are visionary, energetic, and compassionate. Populated by people of all races, America's diversity remains its unique driving force that makes it cherished and admired by the rest of the world.

But why is it that upon these great attributes and admirations, America is today hated by the rest of the world? How come most people in the world today see America as no different from Imperial Britain or Rome? What is it that has brought America this growing hatred? Can America reverse this trend and embrace the rest of the world as a leader, to be admired for what it was throughout the twentieth century?

While America has spent a lot of time projecting the greatness of American values — its democracy, its capitalism, and its military — to the rest of the world, the same America has in most occasions obstructed these same values from taking root in other countries. America also has done little or nothing to learn the values and civilizations others bring on board. Since the demise of the Soviet Union, America has projected more of its national interests and cared less about the rest of the world; it's either an American way or no way at all.

But why has America overnight turned its back on the rest of the world? Or wasn't it the same America that helped the world fight the last two world wars; that helped rebuild Europe and Japan after World War II; that helped create the United Nations; that helped establish the World Bank; that helped liberate

the rest of the world from European colonialism; that helped the world eradicate polio; and that helped bring communism to its knees? Why has today's America fallen short of these past glories and responsibilities? In short, why is today's America destroying the very multi-lateral and international institutions it helped build? Or can America build strong economic, social, and political bridges with the rest of the world by being the bullying brother?

Fighting China, India, or any developing country, with millions of poor mouths to be fed for the migration of labor intensive and environmentally polluting companies, will not be in America's strategic interests. After all, without finding some form of economic attraction, these countries will not find any reasons to accept American leadership. America will be hated more if it only wants to look after itself.

America needs a total rethinking of its long term economic growth because there is no way it will pretend that in today's global economy it can compete in the old, dirty industrial economy and still lead the 21st century. Doing so or thinking so is only an impossible dream of reliving the past; it is impossible in an era when the rest of the world has come a long way almost fishing in the same pond America does today.

As I have written recently, if America wants to be in this century what it was in the last century, it must invest massively in building the next generation of human capital. This new investment in the education of the next generation of scientists and engineers, who will lead groundbreaking new knowledge, will mean funding its leading research intensive universities such as MIT, Caltech, Stanford,

and Johns Hopkins to focus more research in such fields as biotechnology and nanotechnology. It is only upon such investment that America can lead the new knowledge economy.

If America wants to leave a great legacy its future generations will be proud of, America must see the world beyond immediate national interests. America cannot achieve long-term security for itself in isolation, or by bashing and intimidating the rest of the world. It needs the collaboration of other nations acting as partners and stakeholders in the war against terror, whether the battlefield is at home or overseas. Truly winning this war against terror will require more political and diplomatic solutions and less reliance on the military. It will require global solutions.

America must endeavor to make more genuine friends. It needs friendship built out of persuasion, shared belief and values. Supporting a just global economic order where America shows that it really cares about the well-being of others will not only help defeat terror and restore security, but also help revive an American economy which operates within a global system.

Over these years, I have come to discover how good and compassionate Americans are. As a young nation America can learn and grow from its present mistakes. Especially given it is a country populated by compassionate men and women, America does not deserve to be hated. So, let Americans present a new and shining American image; an America that cares about the rest of the world; an America that makes efforts to reach out to others, understand others, and make others understand it.

## A Belgian Painter and the Flag Debate

James P. Skelley

Between psets and cluster romances, most students don't have much time for discussions of MIT's administrative philosophy. Likewise, the administration is often too busy procuring funds for the psets and cluster romances to spend time comprehending the machinations of the average student. Usually, so long as the psets and cluster romances continue, this is not really a problem. However, a friend of mine has brought it to my attention that several — shall we say, radical — students have been considering staging a demonstration in response to the recent conflict between Ms. Nilsson, Jonathon Goler, and a particularly troublesome fire code. I'm certainly not opposed to students voicing their opinion — nor is it my hope to influence your opinion through this article. As you are a student or faculty member of the Massachusetts Institute of Technology, we should all hope that you are perfectly capable of forming your own opinion. Rather, by the end of this article I hope both faculty and students will act on their opinions with even more sincerity and conviction.

And to do that, I will require a Belgian.

Rene Magritte was a surrealist Belgian painter. If you ever have the chance, you can alienate/impress your friends at frat/cocktail parties by Googling his 1926 painting "Ceci n'est pas une pipe." It's pretty simple — no nudity, no subtle undertones, no dark artistic angst — it's just a picture of a pipe. The title "This is not a pipe", however, is why Rene ups his Google Page Rank. It's not a pipe. It's lines and swirls and some oil, which your mind has put together into the representation of a pipe. The symbol is not the thing — a symbol is a symbol.

Now, the strands of cotton or polyester hanging outside Jon Goler's window obviously mean more than their chemical content. They are a symbol for an intangible concept. Ms. Nilsson's actions are also symbolic. Her attempts to bring the flag inside the window indicate MIT's larger concern for maintaining administrative policy.

The tricky part of this business is to be sure you're fighting for your pipe and not for the oil and swirls.

If you are truly concerned about the concepts symbolized by the flag, or if you are truly concerned about upholding the standards of MIT then you must take care to direct your

efforts toward your values and not toward the mere representation of those values.

Before you take action — be it in ordering an eviction, or in demonstrating your concern publicly — ask yourself what exactly it is you hope to achieve. Supposing you are successful — will this bring you closer to your goal? Could you take action without alienating the other side — leaving yourself to pursue your motives in peace?

If you feel passionately about something, there's probably a good reason behind it — take time to find out what that reason is. In a world where people strap electrodes to their abs in delusions of sexual sublimity, and two-hundred channels of television are funded almost entirely by commercials, the first person you should take time to understand is yourself.

If there is absolutely no alternative, then perhaps you should take action to completely alienate yourself from the opposing side. There's no point in reasoning with the unreasonable.

On the other hand, we are both here for the psets and cluster romances, aren't we?

*James P. Skelley is a member of the Class of 2004.*

## High Anxiety

Andrew C. Thomas

It was a beautiful day for a walk in the park. Boston Common played host to a rally on Saturday afternoon to promote the decriminalization of marijuana, an issue that is quietly making headway across the continent. And you could smell it from a mile away.

But the point was made. It was as clear as the sky.

I happened upon the rally, hosted by Mass-Cann/NORML, dedicated to the promotion of marijuana use by responsible citizens, by chance. Among those who spoke was Ed Rosenthal, poster man for the battle between the feds and the marijuana legalization establishment. He made headlines when his medical marijuana operation was caught in a turf war between Oakland city officials, who had permitted him to grow medical marijuana for distribution, and the federal government who arrested him and shut down his operation under the supremacy of federal regulations.

How far has the group's cause advanced in recent times? For the best local case, look up north. The province of Ontario currently has no personal possession laws on the books, thanks to a legal technicality involving — you guessed it — medical marijuana. As a result, police are instructed not to make arrests for amounts of less than 30 grams, which gave the recent massive Rolling Stones concert for Toronto a certain mellow atmosphere. There's no such legal vacuum here, as many found out

yesterday after they were arrested for possession at Saturday's rally.

But despite the here and now, we are seeing progress at the highest levels in this country. One presidential candidate, Rep. Dennis Kucinich, has come out strongly in favor of medical marijuana. As his campaign stand at the rally would suggest, he's cornered that market. Howard Dean of Vermont derailed a medical marijuana bill in his homestate and Sen. Lieberman of Connecticut has taken action to condemn any recognition of medical marijuana at the federal level.

But in true political fashion, none of the opposing candidates have made the issue worthy of the front page in their runs for the presidential bid, letting figureheads like Rosenthal stand on their own. Whether Kucinich should stand tall on this ground is shaky, but it seems clear that he should take a stance. It would seem that he holds sway over a powerful voting lobby for being the first to side with this cause.

As much as I hate to validate the work of the Office of National Drug Control Policy, led by head-in-the-clouds John Walters, his office publishes some relevant statistical information about drug use. It's the conclusions the office draws I object to. The 2002 National Survey on Drug Use and Health suggests that 14.6 million Americans over the age of 12 use marijuana habitually. At best, Kucinich will have a commanding lobby of voters who would support him on this issue alone, enough to make him a significant candidate if the pot lobby maintains its strength.

I'll estimate that what we lose for those who are under 18 is roughly equivalent to what we gain for those who use it occasionally, not considered in the survey.

But at this point, a victory by Kucinich is a slim possibility. He clearly holds a strong bargaining position with other candidates from the pro-pot vote. And that alone might give the issue the proper debate it deserves.

Debate over this issue was stifled the minute Walters was nominated for the position by President Bush. His approach of targeting and arresting drug users, rather than dealers, comes directly from the Bush party line. Treating drug use as a criminal issue when it begs to be addressed from a health point of view is terribly unfair to the debate.

Besides, there should be little expectation that a good heaping helping of guilt might work against the use of a drug whose addictive power is far less than that of legal drugs like alcohol, cigarettes, or even caffeine. It isn't going to fix the institution of marriage, already under threat of collapse without considering its expansion to homosexual relationships.

At the very least, we should not deny those in pain the ability to ease their suffering. While the debate over recreational use is still ongoing, the word is in for medical marijuana. Carefully conducted, sanctioned experiments are completely justified and should be expanded to the large scale. Those to whom current medicinal marijuana plans are aimed may have short lives ahead of them, but fully deserve to undertake this pursuit of happiness.

## ARTS

## ART REVIEW

# Cartoons Showcased in Art Exhibit

## Institute of Contemporary Art's 'Splat, Boom, Pow!' Thoughtful, Instructive

By Chaitra Chandrasekhar

The Institute of Contemporary Art  
"Splat Boom Pow! The Influence of Cartoons  
in Contemporary Art"

Sept. 17 - Jan. 4

Tues., Wed., Fri., Noon - 5 p.m.; Thurs. Noon  
- 9 p.m.; Sat. - Sun., 11 a.m. - 5 p.m.\$5 for students and seniors  
Free Thursdays after 5 p.m.

The Institute of Contemporary Art opened its latest exhibition, showcasing three generations of contemporary artists who used cartoons in various manifestations to delve into present day issues. Forty artists are featured in the exhibition including Andy Warhol, Roy Lichtenstein, Mel Ramos, Peter Saul, and Ida Applebroog, among others. On the lower level, along with the main exhibition is the feature of the ICA 2003 artist prize winner Douglas R. Weathersby.

In the title of the exhibition, "Splat, Boom, Pow!" Splat refers to the late 1950s and early 1960s, the beginnings of pop art targeting the consumer-oriented society. Boom reflects the appropriation of symbols and techniques of the mass media (not only the images). Symbols used in this genre include Benday dots (seen predominantly in the work of Lichtenstein), sequential narratives, gestural lines, symbolic use of color, etc. Pow highlights the stress on the influence of personal experiences on contemporary art.

The individual pieces of "Splat, Boom, Pow!" are well selected, providing a wide array of artists and work. The exhibition is like a lesson in art history, giving a taste of artists from the 1950s through today. The underlying genre of cartoons goes a long way in incorporating the theme of all that is being



TONY SHAFRAZI GALLERY

Kenny Scharf's "The Fun's Inside" is on exhibit at the Institute of Contemporary Art.

shown.

The works shown reflect some form of the world of comics, be it in their sequential narrative form, fantastic portrayals, jibes at authority or stereotypes, or the influence of mass media in psychology. The role of cartoons and comics in reflecting on changes in society, subtle transformations in the mind of the common man, and larger changes in ideology is reflected in the works displayed. A variety of works with outwardly disconnected themes dot the ICA exhibition. More reflection can reveal the threads of connection.



Peter Saul's 1964 work, "Americans vs. Japanese," is one of many at "Splat, Boom, Pow!"

Among the more famous pieces are the ten screen prints that make up Andy Warhol's "Myths," juxtaposed against Lichtenstein's "Forget It, Forget Me!" Warhol's dry mockery is contrasted with Lichtenstein's campy and ironic look at pop art. One interesting exhibit is "Business Barbie" by Liza Lou. Made of wood, wire and beads, this dazzling uber-Barbie is built a little larger-than-life, giving it the sense of guileless irony.

The theme of the glorification of the female form is reflected in some other exhibits. Wonder Woman features in two of the works. Dara Birnbaum's six-minute video, "Technology/Transformation," plays on the transformation of the

"ordinary" secretary into the superhero. By capturing the core of the Wonder Woman, she reveals the psychology, sexual subtext, and fascination with the fantastic.

Jennifer Zackin's "Wonder Woman Cosmos" is a compelling piece where she takes a Buddhist symbol of peace and balance, the mandala Kalachakra, and builds it using plastic toy soldiers and policemen surrounding figures of Wonder Woman (slightly oversized). This piece draws on political, religious, traditional elements and takes them into a contemporary perspective. The east village trio of Kenny Scharf, Keith Haring and Jean-Michel Basquiat are showcased with Basquiat's work on a wood door, Haring's on a skateboard and Scharf's fantastic universe representation on canvas. Roger Shimomura's "Jap's a Jap" (#2 and #6), Yoshitomo Nara's "Quiet, Quiet" and Henry Dager's "The Story of the Vivian Girls" are other compelling exhibits.

Douglas Weathersby is the recipient of the 2003 ICA Artist Prize, given annually to a Boston-area artist for exceptional work. Weathersby combines his work with his business, using it to support his art. Through his enterprise "Environmental Services," clients hire him to provide services and at the same time making art work in the process. He combines light and shadows and then uses the dirt and dust to make art installations. The one that he has installed at the ICA is a constantly changing one that needs to be redone as it weathers visitors and other vagaries. If you're lucky, you might catch the artist at work on his exhibit.

All in all, the ICA has hosted a well-conceived look at contemporary art against the premise of comics and cartoons. This trip could be a fun lesson in the history of contemporary art for those unschooled in the field.

## FILM REVIEW ★★

# 'Anything Else' Is Imitation

## Woody Allen Should Star in His Own Stuff

By Jed Horne

STAFF WRITER

Anything Else

Written and Directed by Woody Allen

Starring Woody Allen, Jason Biggs, Christina Ricci, Stockard Channing, Danny DeVito

Rated R

Two stars

The list of criticisms of Woody Allen is almost trite — too Jewish, too New York, too neurotic. It's a waste of energy to point out the flaws in his work, mostly because those same flaws make Allen, well, Woody. But for someone who enjoys his stuff, predictable as it is, the biggest mistake he makes is casting someone other than himself in the lead role. When other actors do Jewish New York neurosis, it's just not the same.

"Anything Else" has Woody withdrawal in spades: not only is Jason Biggs painfully

unable to imitate a man who could be his grandfather, but Allen upstages his protégé in a supporting role, only succeeding at giving the audience a hint of what could have been. Not since Kenneth Branagh ruined "Celebrity" has a movie been this thoroughly destroyed.

Jason Biggs ("American Pie") plays Jerry Falk, a rich Upper East Sider, part-time comic, and aspiring existential novelist. Falk's existence is a balancing act of Allen-esque phobias — unable to take control of his own life, he analyzes and rationalizes his doomed relationship with his Annie Hall-like girlfriend Amanda (Christina Ricci), his feckless contract with a two-bit agent (Danny DeVito), and his meaningless therapy sessions. His only outlet — long walks in the park with a loony school teacher and street philosopher named David Dobel. Dobel's advice ranges from the ludicrous (everyone should have a survival kit,

complete with fish hooks and water purifying tablets) to the merely absurd ("never trust a naked bus driver"). But his self-confidence and devil-may-care attitude may be just what Falk needs to take control of his life.

In any Woody Allen movie, there's plenty to work with. "Anything Else" has a few genuinely funny moments, a great supporting cast (Stockard Channing as Amanda's mother comes to mind), and a jazzy score. The choice of teen-icons Ricci and Biggs as the main characters represents an interesting departure for Allen that almost succeeds: the duo do their best work in scenes where they can be self-centered teenagers, but are less successful in the parts that were obviously written for Woody Allen and Diane Keaton. Particularly irritating are Falk's asides, a technique pilfered (like Amanda) from "Annie Hall." The result is, perhaps predictably, inconsistent.



## CONCERT REVIEW

# What's Red, Hot, and Totally Rocks?

## The Red Hot Chili Peppers Spice Up the Tweeter Center

By Peter R. Russo

STAFF WRITER

*The Red Hot Chili Peppers  
Tweeter Center  
Sept. 10, 7 p.m.*

**O**n Sept. 10, the Red Hot Chili Peppers made their long-awaited appearance at the Tweeter Center in Mansfield, a stop on the third leg of their "By the Way" tour.

The first of two opening acts, the Washington, D.C.-based French Toast, consisted of two guys playing four instruments (guitar, bass, drums, and synthesizer). It looked like they could have used a hand up there, but they were surprisingly decent given their severe personnel shortage. While I liked their unique blend of heavy synthesizer undertones with overlaid guitar melodies and drum beats, the vocals were uninspired, and I'm pretty sure that the drum/bass player is really just a drummer.

Next up was Queens of the Stone Age, who was very well received by the audience (unlike many opening acts). They played typical metal fare, complete with power chords and lots of screaming. While I can't say that I'm a huge metal fan myself, after the performance I overheard one girl remarking (quite seriously) that her life was complete now that she had seen the Queens.

Finally, after an excruciating half-hour wait while the stage was rearranged, the Chili Peppers stepped out and immediately mesmerized the crowd with "By the Way," a rock/rap hybrid and the title song of their latest album. The current Red Hot Chili Peppers lineup includes original members Anthony Kiedis (vocals) and Flea (bass), and more recent recruits John Frusciante (guitar) and Chad Smith (drums).

While many still associate legendary guitarist Dave Navarro with the Chili Peppers, Navarro only played with the band for three years, making way for former member Frusciante in 1998.

After the classics "Scar Tissue" and "Around the World" came "Zephyr Song," a mellower

piece which turned into a crowd sing-along. Some lesser-known songs (including "Parallel Universe" and "Havana Affair") followed, during which the crowd quieted somewhat. But the roaring energy returned as soon as the first identifiable chords of "Otherside" were played. Starting off slowly, the pace built up until it reached that of the familiar studio version.

While the band worked quickly, and talking between songs was kept to a bare minimum, when it comes to working a crowd, the Chili Peppers are seasoned veterans. Between Anthony Kiedis flailing his arms and dancing around with the microphone stand and Flea playing his bass while perched precariously atop the kick drum, the band's wild stage antics energized the performance.

The highlight of the concert came a few songs later, as the Chili Peppers first played their time-honored classic "Soul to Squeeze" (arguably their signature piece) and then "Can't Stop," an instant hit from their latest album. "Soul to Squeeze" was faithful to the album version, except for some added guitar riffs. The Chili Peppers themselves remained (surprisingly) calm throughout the song, despite the crowd's enthusiasm. The spectacular guitar intro to "Can't Stop" nicely showcased the gifted Frusciante, who has played on most of the band's classic albums including "Blood Sugar Sex Magik" and "Californication." Frusciante's quiet acoustic guitar intro to "Venice Queen" was a nice transition from the high-energy "Can't Stop." A new song in the band's repertoire, "Venice Queen," is a wonderful piece that demonstrates a quieter side of the band.

Flea kicked off the encore with a rousing trumpet solo — not too shabby for a crazy bass player. Next came "Under the Bridge," which again turned into a crowd sing-along, and the night ended with "Fire."

As the band exited the stage for the final time, the kick drum fell down from its stand, and Flea ran over and pounded on it for a few seconds before retreating backstage, somehow a fitting end to a spectacular concert.



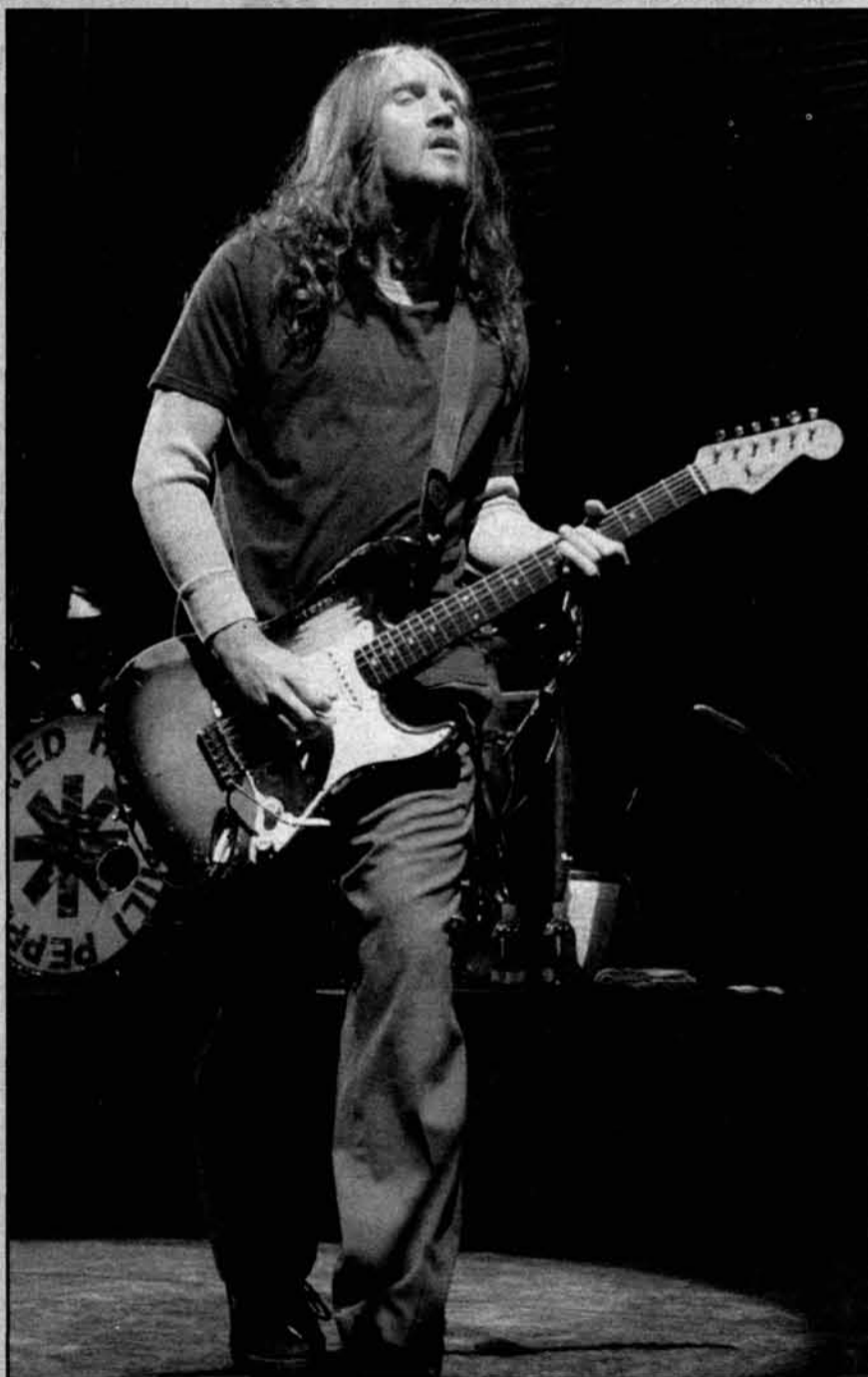
PETER R. RUSSO—THE TECH

Lead singer Anthony Kiedis jumps wildly around the stage at the start of the concert.



PETER R. RUSSO—THE TECH

Drummer Chad Smith holds the beat to the new classic "By the Way."



PETER R. RUSSO—THE TECH

John Frusciante wows the audience with one of his killer guitar intros.



PETER R. RUSSO—THE TECH

Renowned bassist Flea (Michael Balzary) plays during a quieter moment of "Scar Tissue."

## CD REVIEW

# Longwave Develops Indie Streak

## 'The Strangest Things' Sounds Less U2 and More Radiohead

By Chaitra Chandrasekhar

*The Strangest Things*  
Longwave  
RCA Records

**L**ongwave, riding the wave of the alternative bands coming out of NYC, brings out their sophomore album, "The Strangest Things." The U2ish feel of their first release, "Day Sleeper EP," gives way to a more Brit-pop/indie texture on the lines of Radiohead.

There is the inevitable comparison with The Strokes, fellow New Yorkers. Longwave has the same sense of style (in clothes too) and has toured with them. The various new age influences on this band do surface through the album, but Longwave transcends these stilted references to produce a decent album with some classics in it. Produced by Dave Fridmann (of Flaming Lips fame), this album features soulful melody where the stress is on melody rather than lyrics ("When they've got you they've got you by the balls," or "I am everything you wanted, I am everything you need"), although there are some stars in there ("like a dream, you crept into my head"). The band travels the scenery of post-punk and finds its loose bearings on the shifting landscape.

Loud yet flowing, strong but not overpowering, the music is definitely worth more than one listen. The opening track, "Wake me

when it's over," is brilliant with its lofty refrain and the strong, extended guitar solo opening. Singer/song-writer Steve Schiltz belts out this track in his warm honey voice.

Their first single, "Everywhere You Turn," with a flavor of U2, is an up-tempo classic. "Pool Song," although a good song on its own, moves away from the atmospheric nature of the album. You can almost hear Julian Casablanca (of the Strokes) singing this one. The mellow "I know it's coming someday" follows with a slower yet strong tempo. "Tidal Wave," "Ghosts Around You," and "Exit" form a set of three shining fast tracks. This medley is interspersed with the slightly disappointing "All Sewn Up," which starts getting a little repetitive. The title track reiterates the shoegaze-influenced rock feel of the album. But by the time you reach the song, there's a slight feeling of overkill and so the last track "Day Sleeper" with its shimmer guitars comes as a refresher.

A mixture of indie and rock set in a frame of pop

with their strong influences still showing, this band has made a good start and shows potential. But they need to take it further and hopefully produce more original sounding music. But "The Strangest Things" remains a good listen on those rainy afternoons, sunny days, or late nights when you just need to lightly immerse into an evocative ambience with undercurrents of gloominess and raw emotion.



## CD REVIEW

# String Cheese Unravels

## The Incident's New Album Is Unremarkable

By Elizabeth Hempel

*Untying the Not*  
The String Cheese Incident  
Sci Fidelity Records  
Release Sept. 23

**U**ntying the Not," a new album from the String Cheese Incident, presents a departure from the traditional styles of this Telluride, CO-based jam band. The usual combination of folk, calypso, funk, and reggae drifts in and out of psychedelic rock and techno influences.

The entire journey through the album strongly reminds me of Pink Floyd's *Dark Side of the Moon*, or perhaps even more accurately, their "Shine on You Crazy Diamond" off the *Wish You Were Here* album.

From the resonating, other-worldly introductory note of "Wake Up" to the quavering violins of "On My Way," String Cheese's experimental stylings lack much of the intricacy and optimism of lyrics which characterized their earlier works. Often, the Incident is more overwhelmed by their influences than touched by them.

Changes are apparent immediately from "Wake Up," the first song of the album. Strong electric guitars replace acoustic and

give a hard defining edge to the album from the beginning.

Prominent bass lines, steady percussion and a harmonica replace the guitars as a main feature in the second track, "Sirens," but the piece seems to lack coherency. The soft, crooning love lyrics of Bill Nershi seem incongruous to the dark overtones pervading "Sirens." Incongruity, however, is a main theme throughout the album.

For long-term fans of String Cheese, "Looking Glass" provides a glimpse at the fun-loving hippies with refreshing lyrics and original harmonies that distinguish previous albums such as "Born on the Wrong Planet." "Orion's Belt," however, returns to a Pink Floydian acid trip; the best description of this song would be in telling the reader to listen to "Shine On You Crazy Diamond Parts 1-9." When played side-by-side, one can hardly even differentiate between the two.

The half-wandering "Lonesome Road Blues" begins with a series of loosely-connected musical interludes before a woman declaring "I want to scream" leads into an a capella version of the traditional folk song. The effect ties nicely into the cello and piano "Elijah" before the techno-inspired "Valley of the Jig" lightens things up with its brand of a hill-billy rave.

Profound lyrics, combined with the slow strum of rhythm guitar and the airy, almost-Caribbean feel of the lead guitar, create a high point on the album in "Just Passin' Through."

The originality is quickly dispelled, however, as "Who Am I?" introduces itself with the same sounds, tones, and melodies of the Beatles' "Strawberry Fields Forever." The song is catchy and well-arranged with slightly distorted guitars and driving drums.

"On My Way" proves to finally be that original, experimental track the album seeks. Mythical chanting, roaming synthesizers, and sparse percussion contribute to a Mid-Eastern journey, rising and falling through the vocals.

The album on the whole lacks any gel by which it can be held together. Standout tracks like "Looking Glass" and "Just Passin' Through" provide a musical interlude in the melee of frenetically confused noises prevalent in many other tracks. The only continuity in the album is in the far too prominent presence of String Cheese's musical influences and the overall disjointed sensation of the tracks.

The String Cheese Incident may be known for variety, innovation, and a place where fans can turn to avoid the manufactured pop of mainstream music, but "Untying the Not" lacks the sense of fun and excitement usually brought by this musically diverse group.

## SUGAR AND SPICE

# The Skinny on Cookbooks

## Confessions of a Cookbook Addict

By Marissa A. Cheng  
STAFF WRITER

**I** have too many cookbooks. Normally, I wouldn't admit this freely, but my confession won't stop me from continuing to add to my collection, either. Other people have chocolate, color-coding their notes, and freshly-baked bread; I have cookbooks.

The first cookbook I ever bought was *How to be a Domestic Goddess*, by Nigella Lawson. The book itself was beautiful, the pages thick and matted, with lovely pictures and fanciful recipes.

Then I discovered the Doubleday Book Club or Columbia CD Club for cookbooks. It was like Christmas! Join and get four cookbooks (from a list) for \$1 each, plus \$12 for shipping and handling. The catch: you had to buy two books at Club price within a year. My fate was sealed.

Ten cookbooks later, I sit here at my computer, writing this column. In addition to those cookbooks, I have food-writing books, which also have recipes in them, and the five or six that I gave to my sister to justify getting

another cookbook. Ok, so it should be "twenty cookbooks later..." You get the idea.

At this point in my cookbook-buying life, I consider myself somewhat a connoisseur of cookbooks. The best cookbooks not only have good recipes, but can also be read like a novel. The good ones also have the beauty of a coffee-table book, with the substance of a real book. Some people might dispute my argument, but they just haven't discovered the joy of reading recipes for all sorts of exotic foods that you must go and cook right then and there. If you're one of these people, well, I can only hope that you see the light sooner rather than later.

Back to what I was saying: a cookbook isn't just a bunch of recipes. They're equally as well-crafted as a novel, with appropriately amusing and interesting anecdotes accompanying the recipes. You can actually sit down and read a cookbook like any other book. Cookbooks also satisfy your inner child in a way, with all of the pictures in them; I generally don't buy any cookbooks without pictures. A book for adults that has pictures in it

— this is frowned upon in most genres of books, except for cookbooks, biographies, and coffee-table books. Who wants to be looking at pictures of some random guy throughout childhood, when they could be looking at what they're going to make for dinner tomorrow?

And I don't even have that many cookbooks. In fact, I only have twelve on my bookshelf. There are so many different kinds of food to know how to cook: cookies, cakes, pies (I have a sweet tooth, yes), soups, stews, side dishes, entrees — you get the point. Then, combine this with the multitudes of different cultural foods, and you get a very large number of cookbooks — Indian food, American food, Italian food, British food, healthy food, vegetarian food, organic food. My collection only covers the sweet stuff and the all-purpose. So you see, there are no additions here.

The fate of my first cookbook? Given to my sister, after I discovered I, uh, didn't have enough space in my bookshelf for it. Now, I've learned to put the cookbooks in the bookshelf first, and fit everything else around them.

# Ask SIPB

## STUDENT INFORMATION PROCESSING BOARD

**Having problems connecting to the network since Sept. 11? Getting deluged with lots of spam? This week, we explain the required re-registration for dynamic IP addresses (DHCP) and e-mail etiquette.**

**Question: Who was affected by the DHCP reregistration?**

**Answer:** DHCP is the network protocol that allows users to automatically obtain an IP address, connect to the network and have various network settings configured automatically. Everyone who was using hostless (dyn-o-reg) DHCP was required to re-register for it as of 8 p.m. on Sep. 11. People using static IP addresses or host-based (dhreg) DHCP registration were not affected. For more information about the differences between these, please see our Aug. 24 column at <http://www.mit.edu/~asksipb/2003columns/2003-08-24-connectnet/>.

If you are a student, you are probably using hostless DHCP. Faculty and staff are likely using a static IP address or host-based DHCP, because hostless DHCP is not available to them.

**Question: Why do I have to reregister for DHCP?**

**Answer:** As of 8 p.m. on September 11, all DHCP registrations were cleared. Because of the recent slew of Windows vulnerabilities and the number of machines that have been compromised, I/S is trying to ensure that all Windows machines have port filtering activated in order to prevent future worms from infecting MIT machines. Unfortunately, reregistration is required for all registered systems, even non-Windows machines.

**Question: How do I reregister for DHCP?**

**Answer:** If you have a non-Windows machine, open up a web browser and go to any Web site. You will automatically be brought to the DHCP registration page. Simply follow the instructions and enter your username and password when requested.

If you have a Windows 2000 or XP machine, however, you will be instructed to enable TCP port filtering. Instructions will be given when you attempt to reregister. You can also find them online at <http://web.mit.edu/net-security/prevent-reinfection.html>.

When using port filtering, please ensure that you are filtering TCP only. Filtering UDP or ICMP will prevent some services from working properly. After enabling filtering, you can finish registering.

**Question: I tried reregistering for DHCP, but it didn't work!**

**Answer:** Because everyone was forced to reregister for DHCP at the same time, the registration server was overloaded. In some cases, it did not respond quickly enough to assign registration IP addresses to computers. In other cases, computers received an address, but the registration itself proceeded slowly, taking 15 minutes instead of the usual 30 seconds.

Now that most people are reregistered, things have mostly returned to normal. In some cases, however, students have registered for DHCP properly, but are still unable to get a real IP address, even after waiting a day after registering.

If you continue to have problems in a dorm, please contact an RCC by submitting a help request at <http://rcc.mit.edu/>. For non-dorm problems, contact the Computing Helpdesk at [computing-help@mit.edu](mailto:computing-help@mit.edu), x3-1101, or in N42.

**Question: I want to send mail to lots of people. Should I do so?**

**Answer:** Before doing so, consider whether your e-mail is on-topic for the lists you wish to e-mail. Mass e-mailing a large number of lists, such as all the dorm lists, is unacceptable if what you are mailing is not relevant for the lists.

Also, keep in mind that you generally should not send mail to a list of which you are not a member, unless it is a list designated as one where others can post, such as [reuse@mit.edu](mailto:reuse@mit.edu).

**Question: What should I take note of when replying to mail?**

**Answer:** When replying to an e-mail, check to see to whom your reply will be sent. You may be sending e-mail to a lot of people who don't need or want to see your reply, especially since what looks like a single e-mail address may be a mailing list to which many people subscribe. For example, if a person sends out an invitation to an event and asks the recipients to let him know if they are going, it is inappropriate to CC the whole list in response. In this case you should use the "Reply" command instead of "Reply to All" in your mail program.

On the other hand, when e-mailing lists such as [sipb@mit.edu](mailto:sipb@mit.edu), where you are asking for help, you should continue to keep the list in the To: or CC: line so that other

people can continue to make suggestions and help you. You can do so by using "Reply to All."

When replying to a long e-mail, especially on mailing lists, avoid including all of the text of the other person's e-mail.

**Question: Should I forward this e-mail?**

**Answer:** Do not forward chain letters. This includes e-mail that claims 50,000 e-mail signatures are required to help someone as well as e-mail that claims something good or bad will happen if you do or don't forward the e-mail along. Many so-called "helpful advice" e-mails, especially when written in a sensationalistic tone, are nothing but hoaxes. The Urban Legends Reference Pages, <http://www.snopes.com/>, can help identify common hoaxes and tall tales.

**Question: I want to subscribe to this list. I should e-mail it, right?**

**Answer:** NO! And the goes for unsubscribing!

You can remove yourself from MIT mailing lists using a variety of tools that are part of the Moira database management system. "mailmaint" is a menu-driven tool; more convenient is blanche. Use

`athena% blanche listname -d username`

to remove yourself from a list. For more information on how these commands work, please see our November 22, 2002 column at <http://www.mit.edu/~asksipb/2002columns/2002-11-22-mailinglists/>. Alternatively, you can use the web interface at <http://web.mit.edu/moira/>.

If you're having trouble removing yourself from an MIT mailing list, you can e-mail the administrators of the list at [owner-listname@mit.edu](mailto:owner-listname@mit.edu) or [listname-request@mit.edu](mailto:listname-request@mit.edu), who will be able to help you. You should not send your request to the list itself; our servers do not intercept subscribe and unsubscribe requests, and sending a subscribe or unsubscribe request to the list is useless, as most people will be unable to do anything to actually process your request.

For non-MIT mailing lists, check for an unsubscribe address in the e-mail text, or try [listname-request@example.com](mailto:listname-request@example.com) to see if it works.

To ask us a question, send e-mail to [sipb@mit.edu](mailto:sipb@mit.edu). We'll try to answer you quickly, and we might address your question in our next column. Copies of each column and pointers to additional information will be posted on our Web site: <http://www.mit.edu/~asksipb/>.



## MIT 2003 Career Fair

# THIS Thursday

## Johnson Athletic Center 11 am to 7 pm

### Upcoming Career Week Events

#### TUESDAY, SEPTEMBER 23, 2003

| Event   | Time              | Location       |
|---|-------------------|----------------|
| Schlumberger Information Session                    | 3:00 pm - 5:00 pm | Student Center |
| Internships Workshop (GE, Guidant, IBM attending)   | 6:00 pm - 8:00 pm | 6-120          |
| How to Work a Career Fair Workshop (with Microsoft) | 6:00 pm - 8:00 pm | 4-237          |

#### WEDNESDAY, SEPTEMBER 24, 2003

| Event   | Time               | Location               |
|---|--------------------|------------------------|
| Medtronic Information Session                           | 11:00 am - 1:00 pm | La Sala de Puerto Rico |
| United Technologies / Pratt Whitney Information Session | 4:00 pm - 6:00 pm  | 38-225                 |
| Shell Information Session                               | 5:00 pm - 7:00 pm  | 2-105                  |
| Texas Instruments Information Session                   | 4:00 pm - 6:00 pm  | 10-250                 |
| Canon Development America Information Session           | 5:00 pm - 6:30 pm  | 1-190                  |
| NASA Information Session                                | 5:00 pm - 7:00 pm  | 33-116                 |
| MIT Alumni Dinner                                       | 7:00 pm - 10:00 pm | Hyatt Regency Hotel    |

#### THURSDAY, SEPTEMBER 25, 2003

| Event                                    | Time               | Location                |
|--|--------------------|-------------------------|
| MIT 2003 Career Fair                     | 11:00 am - 7:00 pm | Johnson Athletic Center |
| Career Fair After Hours by Class of 2004 | 8:00 pm - 11:00 pm | Student Center          |

#### FRIDAY, SEPTEMBER 26, 2003

| Event                              | Time              | Location            |
|------------------------------------|-------------------|---------------------|
| Society of Women Engineers Banquet | 6:00 pm - 9:00 pm | Westin Copley Place |
| Interview Space Available          | 8:00 am - 6:00 pm | Visit website       |

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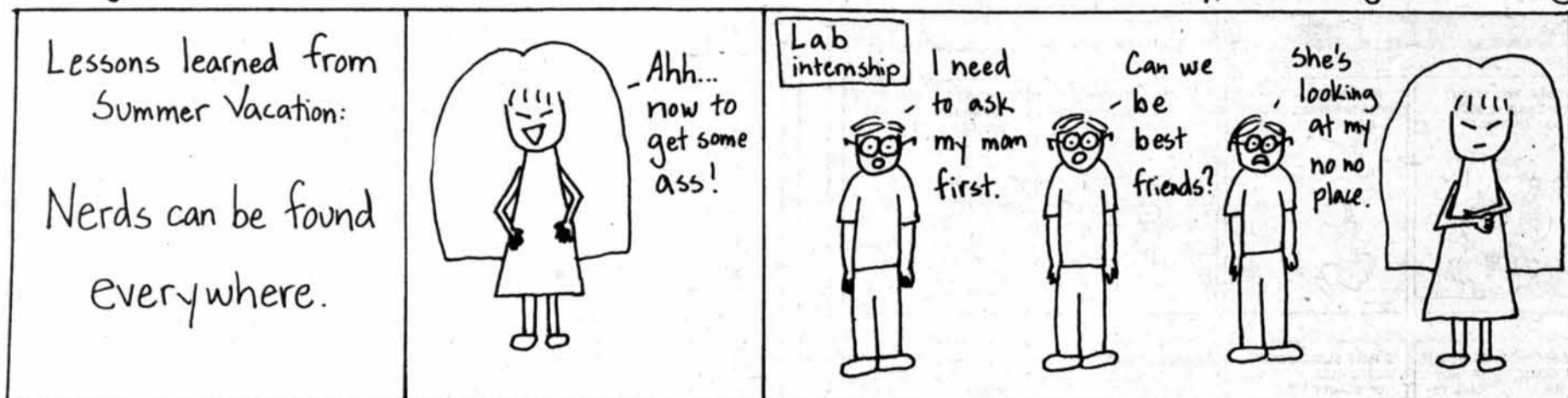
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# PREPARE at: <http://careerfair.mit.edu>

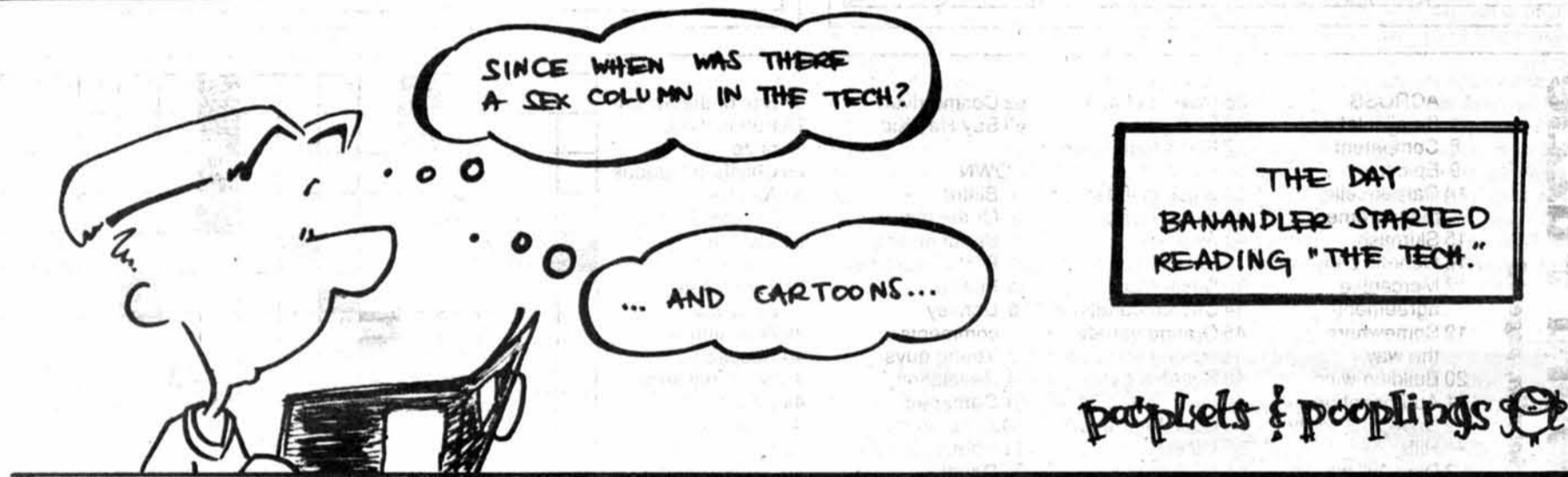
## Hay Fever

by, Qian Wang + Jennifer Peng

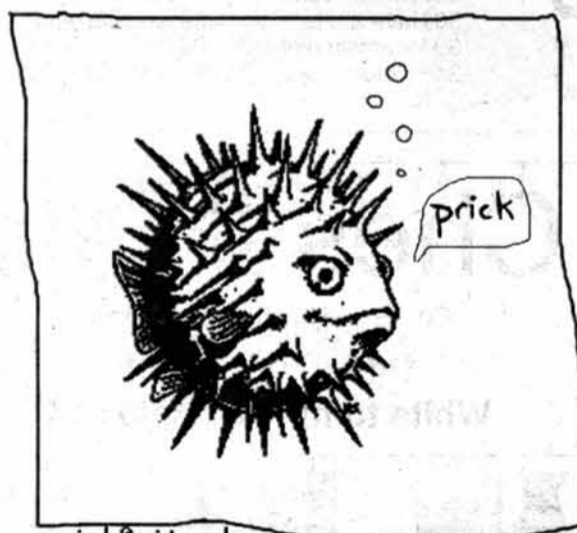
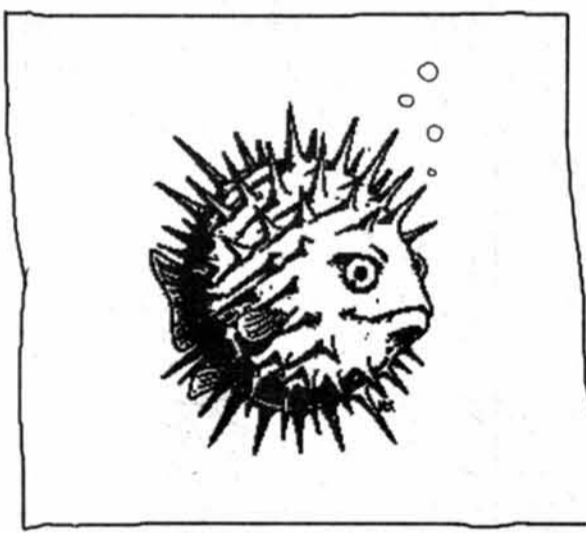
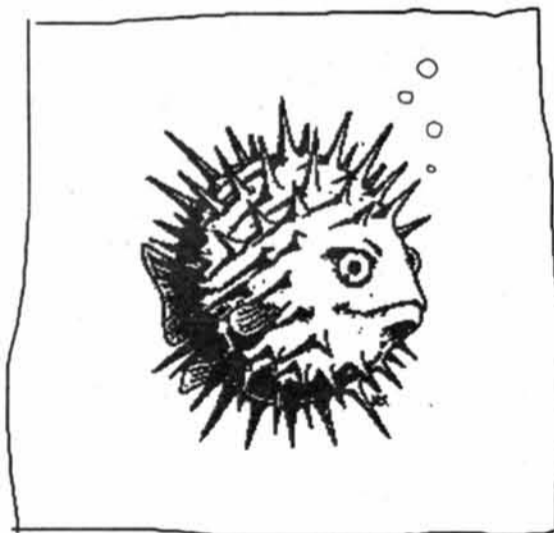


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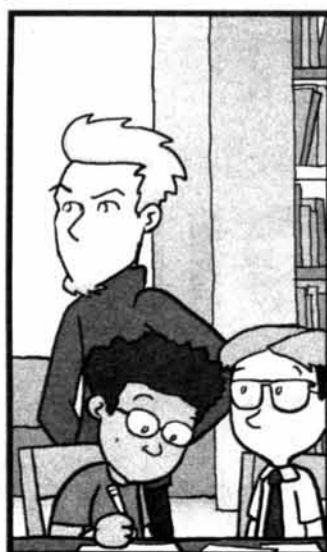
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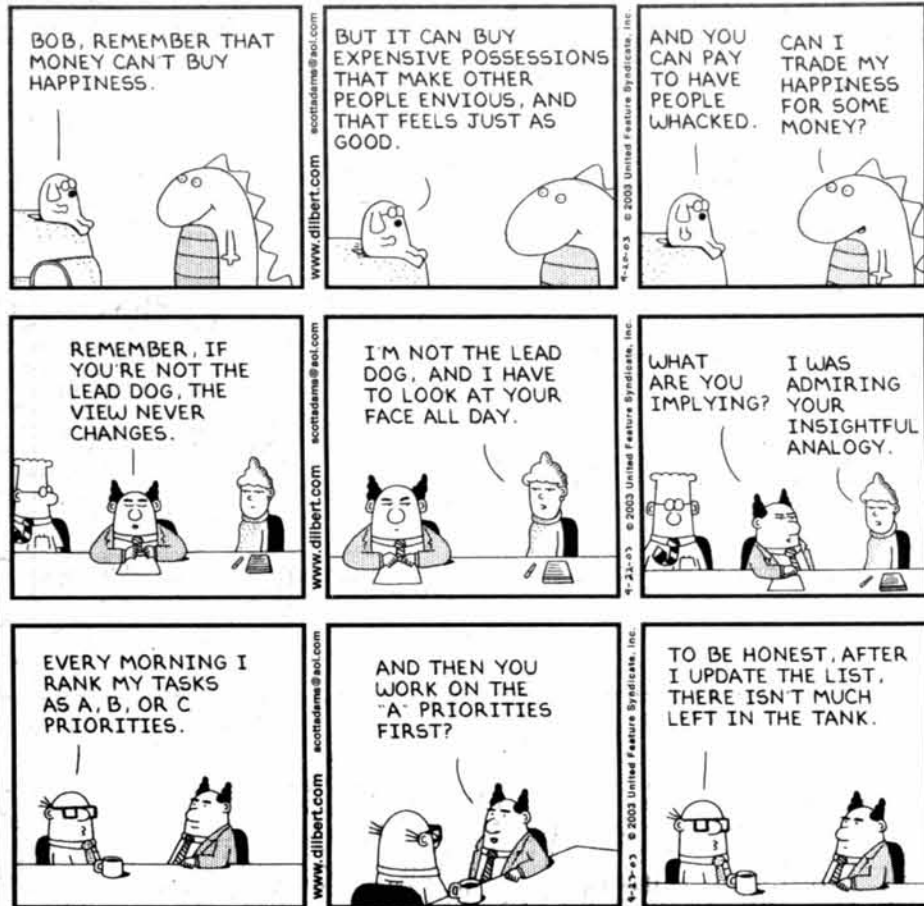


www.phdcomics.com

# FoxTrot by Bill Amend



# Dilbert by Scott Adams



## Crossword Puzzle

Solution, page 18

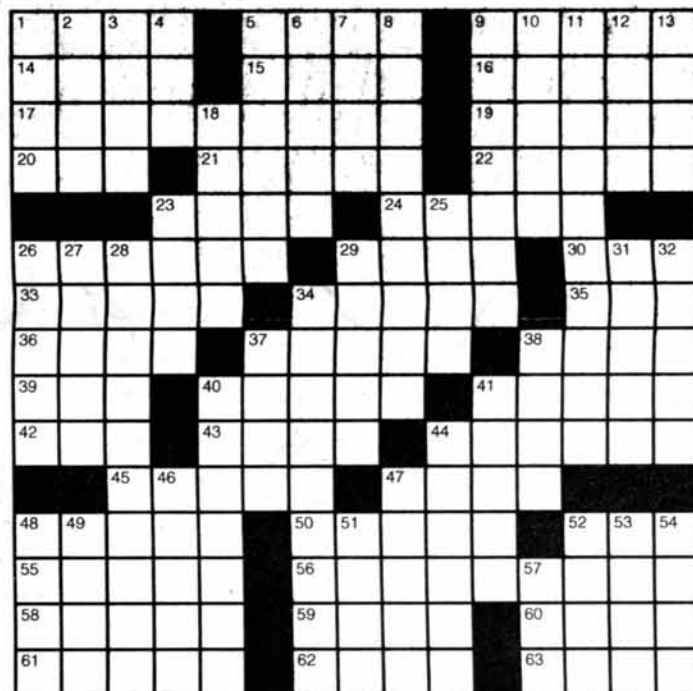
### ACROSS

- 1 Small inlet
- 5 Competent
- 9 Epic tales
- 14 Carpet-seller's measurement
- 15 Skirmish
- 16 Genetic copy
- 17 Mercantile agreement
- 19 Somewhere — the way
- 20 Building wing
- 21 Authorization
- 22 Drive in Beverly Hills
- 23 Downhill wear
- 24 Former capital of Scotland
- 26 Legendary
- 29 Actress Campbell
- 30 Have a bite
- 33 Mountain nymph
- 34 Filleted

### DOWN

- 1 Bistro
- 2 Of the mouth
- 3 Bridal netting
- 4 Part of a pitcher
- 5 Fearful
- 6 Donkey comments
- 7 Young guys
- 8 Revelation
- 9 Damaged
- 10 Apportion
- 11 Robust condition
- 12 Daughter of Elizabeth II
- 13 Western lily
- 18 Clicked one's tongue
- 23 Trellis part
- 25 At any time
- 26 Out into view

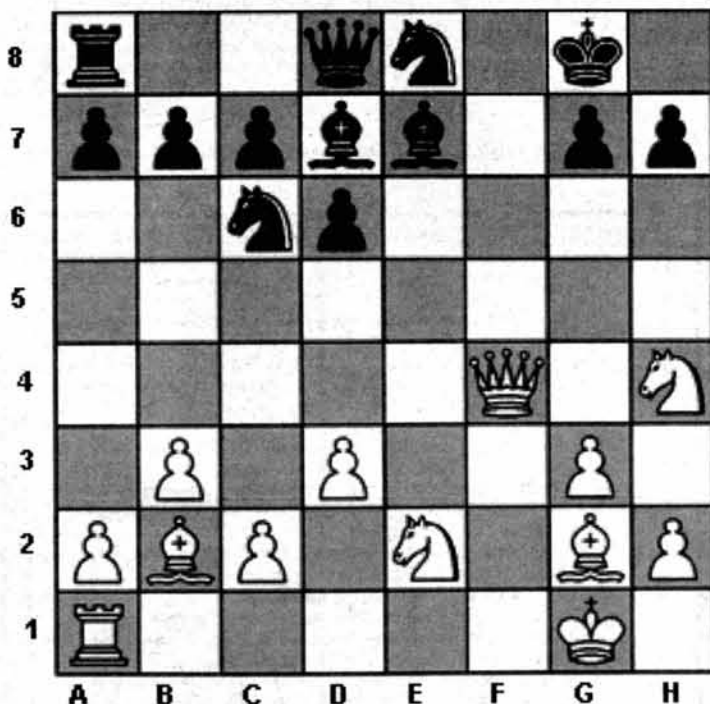
- 27 Site of the action
- 28 Kennel Club prize
- 29 Childhood taboos
- 31 Astonish
- 32 Theater awards
- 34 Black-and-yellow flier
- 37 Toothpaste container
- 38 Fruit stones
- 40 Respected
- 41 Wash out suds
- 44 Snitch
- 46 In unison
- 47 Very important
- 48 Kitchen utensils
- 49 Bassoon's cousin
- 51 Compaq rival
- 52 Gibson novel, "Lisa Overdrive"
- 53 Doubtful
- 54 Corp. bigwigs
- 57 Edge



## ChessMate

Composed by Armando Valdes

Difficulty Level 5  
White to move - Mate in 4



Comments? E-mail [chessmate@the-tech.mit.edu](mailto:chessmate@the-tech.mit.edu)  
Solutions on page 18



Do you like to  
make people  
laugh?  
Are you a good  
cartoonist?  
Are you just  
bored?

# JOIN THE TECH!!!

# Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

**Tuesday, September 23**

**7:00 a.m. - 9:00 a.m. - Breakfast with the Stars.** Cambridge Business Development Center Breakfast with the Stars featuring Jeremy Allaire Technologist in Residence, General Catalyst on Tuesday, September 23rd! Room: MIT Faculty Club. Sponsor: MITEntrepreneurship Center. Cambridge Business Development Center, MIT Enterprise Forum.

**9:45 a.m. - 10:30 p.m. - SJSO Bagel Breakfast.** Come meet and schmooze with Jewish Sloanies and others and enjoy some bagels and lox. All graduate MIT students welcome. Free. Room: E52-175. Sponsor: GSC Funding Board, Sloan Jewish Students Organization.

**10:00 a.m. - Admissions Information Session.** Admissions Office Information Session gathers at the Admissions Reception Center (10-100). Groups over 15 people need to make special reservations. Free. Room: Admissions Reception Center, (Building 10, Room 10-100). Sponsor: Information Center.

**10:00 a.m. - 11:00 a.m. - MIT/WHOI Joint Program Coffee-Donut-Bagel Hour.** An opportunity for MIT and WHOI based students to interact on the days when Joint Program classes are held in Woods Hole, Tuesdays and Thursdays throughout the semester. Room: Woods Hole Oceanographic Institution Student Center, 3rd Floor, Clark Laboratory South. Sponsor: WHOI Student Organization, GSC, EGSAC.

**10:45 a.m. - Campus Tour.** Groups over 15 people need to make special reservations. Campus tours start at the conclusion of the Admissions Informations Session. Free. Room: Lobby 7. Sponsor: Information Center.

**11:00 a.m. - 1:00 p.m. - Gcina Mhlophe: Informal Lecture/Performance.** Author, playwright and actress Gcina Mhlophe has captivated audiences for over two decades, performing dynamic tales rooted in South African cultural and political history, oral tradition and personal experience. Her engaging performance style ranges from solo narratives to collaborations with South African musical legends Ladysmith Black Mambazo and Bheki Khoza. Mhlophe is a 2003 Artist-in-Residence at the Isabella Stewart Gardner Museum, Boston. Free. Room: N51-117. Sponsor: Visual Arts Program.

**12:00 p.m. - 1:00 p.m. - MS Word User Group.** Meeting of the MS Word Macintosh and Windows user group. Free. Room: N42 Demo Center. Sponsor: MIT User Groups.

**1:00 p.m. - 5:00 p.m. - Journal Club Presentations: Mary & Nancy, Brittany, Caitlin & Dana.** Student Literature Reviews, Oral Presentations. Free. Room: 68-121. Sponsor: 7.13.

**1:00 p.m. - 2:30 p.m. - Parental Leave in Australia: The Policy And The Practice.** MIT Workplace Center 2003 Fall Seminar Series. Free. Room: The Millikan Conference Room, E53-482. Sponsor: MIT Workplace Center. Institute for Work and Employment Relations.

**2:00 p.m. - Admissions Information Session.** Free. Room: Admissions Reception Center. Sponsor: Information Center.

**2:00 p.m. - 3:00 p.m. - Nuclear Theory Seminar.** The observational appearance of strange stars. Free. Room: Center for Theoretical Physics-bldg 6, third floor seminar room. Sponsor: Laboratory for Nuclear Science.

**2:30 p.m. - 3:30 p.m. - Small Scale Gaseous Hydrodynamics: Going Beyond Navier-Stokes.** Free. Room: Room 2-338. Sponsor: Physical Mathematics Seminar.

**2:45 p.m. - Campus Tour.** Free. Room: Lobby 7. Sponsor: Information Center.

**3:00 p.m. - 5:00 p.m. - Schlumberger Information Session.** Information session by the Schlumberger, sponsor of the MIT 2003 Career Fair. Refreshments served. Free. Room: Twenty Chimneys. Sponsor: MIT Career Fair Committee.

**3:00 p.m. - 4:00 p.m. - MiTea Time - Culture Exchange - English Chinese Class.** Our free English class is good for new comers to get started on their English conversations in a very friendly environment. It is also good for people who have interest on learning the American culture, American life styles, etc. Lots of interesting topics and discussions will be a good start for your English learning. Feel free to come and have wonderful discussions with our Native American teachers. Refreshment will be served. Free. Room: 5-134. Sponsor: Chinese Student and Scholar Association, Graduate Student Council, MIT CSSA & GSC.

**4:00 p.m. - 6:00 p.m. - Defining the Boundaries: Homeland Security and Its Impact on Scientific Research.** Ford/MIT Nobel Laureate Lecture featuring Professors Jerome I. Friedman and Phillip A. Sharp. Moderated by MIT President Charles M. Vest. Free. Room: Kresge Auditorium. Sponsor: Community Services Office.

**4:00 p.m. - 5:00 p.m. - MVL Seminar.** Presentation Titled: Adapting the Resistance Cycle as Microgravity Exercise Countermeasure. Free. Room: 35-520. Sponsor: Aero/Astro.

**4:00 p.m. - MIT Astrophysics Colloquium: TODD THOMPSON.** "Supernovae, Protoneutron Star Winds, and the Origin of the Heavy Elements." Free. Room: Marlar Lounge, MIT Room 37-252. Sponsor: Astrophysics.

**4:00 p.m. - Varsity Women's Soccer vs. Fitchburg State.** Free. Room: Steinbrenner Stadium.

**4:15 p.m. - 5:30 p.m. - GTL Seminar Series.** "Micro-Propulsion Work at the Space Propulsion Laboratory." Free. Room: 33-206. Sponsor: Gas Turbine Laboratory.

**4:15 p.m. - 5:30 p.m. - GTL Seminar Series.** "Micro-Propulsion Work at the Space Propulsion Laboratory." Free. Room: 33-206. Sponsor: Gas Turbine Laboratory, Aero/Astro.

**4:30 p.m. - 9:00 p.m. - Rainbow Lounge Open.** MIT's resource lounge for lesbian, bisexual, gay, transgendered, and questioning members of the community offers a place to hang out, various activities, and a lending library during its open hours. Free. Room: 50-306. Sponsor: lbg@mit.

**5:30 p.m. - 7:00 p.m. - MIT-Italy Program Orientation.** Interested in a paid internship in Italy? The MIT-Italy Program may be able to send YOU there. Open to undergraduate and graduate students To learn more, come to our orientation meeting. Pizzas provided. Free. Room: E-38, 714 ( 292 Main Street, on top of MIT Bookstore). Sponsor: MIT-Italy Program.

**6:00 p.m. - 7:00 p.m. - the mit e-club weekly tuesday meeting.** the regular weekly tuesday meeting of the mit entrepreneurs club, aka: the e-club, an mit service organisation, where students, faculty, staff and alum gather to pitch, hear, crit and discuss their new science and technology start-up ideas, network, build 50k or independent founders' teams, and more; stay for our mit 6-credit seminar sem.095 on tech start-ups (sem.089 in fall term). Free. Room: 56-114. Sponsor: Entrepreneurs Club.

**6:00 p.m. - 7:30 p.m. - Internship Panel.** Industry representatives from IBM, Guidant, General Electric and others will share advice on how to get the most out your internship. . Free. Room: 6-120. Sponsor: Career Services Office, MIT Career Fair Committee.

**6:00 p.m. - 7:30 p.m. - How to Work a Career Fair.** Come and learn about the strategies for successfully working a career fair, whether you are seeking an internship or professional job opportunity. Register for this workshop at <http://web.mit.edu/career/www/workshops.html>. Free. Room: 4-237. Sponsor: Career Services Office, MIT Career Fair Committee.

**6:00 p.m. - 9:00 p.m. - Boston AppleScript User Group.** Meeting of the Boston AppleScript User Group. Free. Room: E51-372. Sponsor: MIT User Groups.

**6:30 p.m. - Architecture Lecture. "Cool Connectors: Bio-Climatic Urbanism in Phoenix."** Architecture lecture by Dan Hoffman. Free. Room: Rm 10-250. Sponsor: Department of Architecture.

**7:00 p.m. - 9:00 p.m. - Boston PDA User Group.** Meeting of the Boston PDA User Group (BOSPDAG). Free. Room: 3-133. Sponsor: MIT User Groups.

**8:00 p.m. - 10:30 p.m. - Contra Dance for All: Beginner Special.** Autumn Leaves Beginner Dance Caller: Laura Johannes Live Music: einstein's little homunculus Dance with a partner (we'll provide) and a group to jazzy live music. All dances taught; all skill levels welcome. Contra Dance is a traditional American form of folk dancing, directed by a caller and accompanied by exciting live music. It uses easy-to-learn walking steps. You dance with a partner, changing partners each dance, in a line of couples called a 'set' and interacting with your partner and all the other couples in a big group-theoretic pattern. A caller first explains each dance in a 'walk-through' and then continues to prompt you during the dance. Light refreshments are served at the break halfway through. Every 2nd and 4th Tuesday. MIT students free; other students \$3; non-students \$5. Room: Building 13 Lobby. Sponsor: Folk Dance Club. Music for Robin.

**8:00 p.m. - Pugwash Movie: Fall Safe (1964).** The serious side of Dr. Strangelove. An insightful and well-acted period piece on cold war anxiety and tension. Issues of science, technology and society as explored through film fiction. Free. Room: Room 4-231. Sponsor: MIT Pugwash.

**9:00 p.m. - 11:00 p.m. - LIVEmusic@theEAR: Fluttr.** The Thrifty Ear is excited to welcome Fluttr back to the stage. This truly original band incorporates haunting vocals, a marimba, and electric cello to produce wonderful music. Check them out at [www.fluttr.com](http://www.fluttr.com). Must be over 21. Proper ID required. Free. Room: The Thrifty Ear Pub. Sponsor: The Thrifty Ear Pub.

**All day - The Zesiger Sports and Fitness Center's 1st Anniversary.** Join us in

celebrating the first anniversary of The Zesiger Sports and Fitness Center. There will be two receptions from noon - 1:30 p.m. and 5:00 p.m. - 6:30 p.m., as well as special guest speakers, refreshments and other activities throughout the center. Free.

## Wednesday, September 24

**8:30 a.m. - 5:15 p.m. - ETC2003.** The Emerging Technologies Conference at MIT will focus on the technologies that are poised to make a dramatic impact on our world. Technology Review magazine, the authority on emerging technology, will bring together world-renowned innovators and key leaders in technology and business. The 2-day conference will feature a mixture of keynote, panel and breakout discussions that will center on the transformative technological innovations that have the potential to fuel new economic growth. Sessions are open to the MIT community free of charge. Room: Kresge Auditorium. Sponsor: Technology Review, General Motors, Accenture, Sprint.

**10:00 a.m. - Admissions Information Session.** Free. Room: Admissions Reception Center. Sponsor: Information Center.

**10:45 a.m. - Campus Tour.** Free. Room: Lobby 7. Sponsor: Information Center.

**11:00 a.m. - 1:00 p.m. - Medtronic Information Session.** Information session by Medtronic, sponsor of the MIT 2003 Career Fair. Free. Room: La Sala de Puerto Rico. Sponsor: MIT Career Fair Committee.

**11:30 a.m. - 1:30 p.m. - Public Health School Panel.** Mini presentations by Yale, Harvard and Columbia. Time will be provided to answer general questions and school specific questions regarding Public Health programs. Free. Room: 12-122. Sponsor: Career Services Office.

**12:00 p.m. - Visiting Committee for Humanities.** Biennial meeting of the Corporation Visiting Committee for the Humanities. Room: Killian Hall 14W-111 and 14N-112. Sponsor: Corporation Office.

**12:00 p.m. - 1:00 p.m. - PowerPoint Quick Start.** Room: N42 Demo Center. Sponsor: Information Systems.

**12:30 p.m. - 1:30 p.m. - PLC Toastmasters Meeting.** Guests are always welcome at Toastmasters meetings! At Toastmasters, we improve our communication and leadership skills through prepared and impromptu speaking opportunities. Gain confidence as a public speaker and have fun at the same time! Free. W89, Room 305. Sponsor: Toastmasters, MIT Organization and Employee Development, Human Resources.

**2:00 p.m. - Admissions Information Session.** Free. Room: Admissions Reception Center. Sponsor: Information Center.

**2:00 p.m. - 3:00 p.m. - String Theory Seminar.** Non-Supersymmetric Gauge/Gravity Duals with Flavor. Free. Room: Center for Theoretical Physics-Building 6-third floor seminar room. Sponsor: Laboratory for Nuclear Science.

**2:45 p.m. - Campus Tour.** Free. Room: Lobby 7. Sponsor: Information Center.

**3:00 p.m. - 5:00 p.m. - spouses&partners@mit weekly meeting: Question and Answer Session.** Bring your questions about life in Boston and at MIT. spouses&partners@mit members will help you find what you need. We will meet in Room 400 in the Student Center. Childcare provided. Free. Room: W20-400. Sponsor: spouses&partners@mit, MIT Medical, Provost's Office.

**4:00 p.m. - 6:00 p.m. - Texas Instruments Information Session.** Information session by Texas Instruments, sponsor of the MIT 2003 Career Fair. Free. Room: 10-250. Sponsor: MIT Career Fair Committee.

**4:00 p.m. - 6:00 p.m. - United Technologies Information Session.** Information session by United Technologies Corporation, sponsor of the MIT 2003 Career Fair. Free. Room: 35-225. Sponsor: MIT Career Fair Committee.

**4:15 p.m. - 5:15 p.m. - Harry Potter and the Order of the Symmetric Group: A Problem of Richard Stanley from the 1981 Banff Conference on Ordered Sets.** Free. Room: 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

**4:30 p.m. - 5:30 p.m. - Joint Theory Seminar.** Supersymmetry without Supersymmetry. Free. Room: Center for Theoretical Physics, Building 6, Third floor seminar room. Sponsor: Laboratory for Nuclear Science.

**5:00 p.m. - 7:00 p.m. - Arts Colloquium.** Karen Perlow, lighting designer for the Theater Program speaks on her work. Hors d'oeuvres served. Reservations required. Contact Michelle Hinkle by Sept 19. Free. Room: TBA. Sponsor: Associate Provost for the Arts.

**5:00 p.m. - 7:00 p.m. - Shell Information Session.** Information session by Shell, sponsor of the MIT 2003 Career Fair. Free. Room: 2-105. Sponsor: MIT Career Fair Committee.

**5:00 p.m. - 7:00 p.m. - NASA Information Session.** NASA Information session hosted by the MIT 2003 Career Fair and the MIT Aero/Astro department. Free. Room: 33-116. Sponsor: MIT Career Fair Committee.

**5:30 p.m. - 7:00 p.m. - The Advisor-Advisee Relationship.** Room: The Warehouse. Sponsor: GSC Seminars. Graduate Student Office.

**5:30 p.m. - 6:30 p.m. - CEE CMI Informal Info Session.** Informal information session for Course 1 sophomores about the junior year exchange program to the U of Cambridge, England. Free. Room: 1-350. Sponsor: CEE Administrative Staff.

**5:45 p.m. - Koshier Dining "Ribbon Cutting."** Celebrate the opening of MIT's Koshier Dining Center, a collaboration between the MIT Office of Campus Dining and MIT Hillel. Optional Dinner follows, \$12. per person. Room: Religious Activities Center, Bldg W11. Sponsor: Hillel, MIT.

**6:00 p.m. - 8:00 p.m. - Graduate Christian Fellowship Bible Study.** Come join us for Bible study, prayer, and fellowship! We are currently studying the book of Acts. Free. Room: 66-369. Sponsor: Graduate Christian Fellowship, GSC Funding Board.

**6:00 p.m. - 8:00 p.m. - Wednesday Night Dinner.** Weekly dinner. Share a meal with a friend. For McCormick residents and friends on the guest list. \$6.50. Sponsor: McCormick Hall.

**7:00 p.m. - 8:00 p.m. - Bible Study.** Weekly Bible study held by the Baptist Student Fellowship. Free. Sponsor: Baptist Student Fellowship, Baptist Campus Ministry.

**7:00 p.m. - 10:00 p.m. - MIT Alumni Dinner.** The Career Week Alumni Dinner brings together alumni representing their company with current students in a relaxed buffet-dinner atmosphere. Free (Tickets required!). Room: Hyatt Regency Cambridge. Sponsor: MIT Career Fair Committee.

**7:00 p.m. - 10:00 p.m. - TMRC Build Time.** These are our normal meeting times, when we build the layout! Free. Room: N52-118. Sponsor: Tech Model Railroad Club (TMRC).

**7:30 p.m. - 11:00 p.m. - Israeli Folk Dancing beginners' class.** Israeli Folk Dancing Beginners' class from 7:30 - 8:30 pm, followed by regular teaching and requests until 11:00 p.m. For up-to-date announcements about each week's dance, see our Yahoo Group. Free for MIT students; donations welcome. Room: Lobby 13. Sponsor: Folk Dance Club.

**8:00 p.m. - 10:00 p.m. - IFILM Film Seminar.** Screening of a movie followed by a discussion. Light refreshments provided. More information (including movie titles) on our Web site. Free. Room: 4-237. Sponsor: International Film Club, GSC Funding Board.

**8:00 p.m. - 10:00 p.m. - Weekly Wednesdays.** Free wings and an assortment of vegetables, sponsored by various departments, residences and affinity groups, are provided in the Muddy Charles Pub for graduate students to enjoy while catching up with friends and making making new ones. Students can also enjoy the cheap beverages (including many non-alcoholic options), Red Sox on the DirecTV, and (new) wireless internet access. Free. Room: The Muddy Charles Pub.

**8:30 p.m. - All That Heaven Allows (1955).** Directed by Douglas Sirk 89 min. Free. Room: 3-133. Sponsor: History, Theory and Criticism of Architecture and Art.

**9:00 p.m. - 11:30 p.m. - Swing Dancing.** Beginners welcome, no partner necessary. Free. Room: Student Center 2nd floor. Sponsor: Lindy Hop Society, GSC Funding Board.

## Thursday, September 25

**8:45 a.m. - 2:45 p.m. - ETC2003.** Room: Kresge Auditorium. Sponsor: Technology Review, General Motors, Accenture, Sprint.

**10:00 a.m. - Admissions Information Session.** Free. Room: Admissions Reception Center. Sponsor: Information Center.

**10:00 a.m. - 11:00 a.m. - MIT/WHOI Joint Program Coffee-Donut-Bagel Hour.** An opportunity for MIT and WHOI based students to interact on the days when Joint Program classes are held in Woods Hole, Tuesdays and Thursdays throughout the semester. Room: Woods Hole Oceanographic Institution Student Center, 3rd Floor, Clark Laboratory South. Sponsor: WHOI Student Organization, GSC, EGSAC.

**10:45 a.m. - Campus Tour.** Free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

**11:00 a.m. - 7:00 p.m. - MIT 2003 Career Fair.** The MIT 2003 Career Fair will bring to campus up to 200 companies and universities to recruit students. Free. Room: Johnson Athletic Center. Sponsor: MIT Career Fair Committee.

**11:00 a.m. - 1:00 a.m. - High Holiday Information Table.** Information available

Events Calendar appears in each issue of *The Tech* and features events for members of the MIT community. *The Tech* makes no guarantees as to the accuracy of this information, and *The Tech* shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the Events Calendar web page.

about High Holiday services and meals at MIT. Room: Sloan Lobby. Sponsor: Graduate Hillel, Hillel, MIT.

**12:00 p.m. - Visiting Committee for Humanities.** Biennial meeting of the Corporation Visiting Committee for the Humanities. Room: Killian Hall 14W-111 and 14N-112. Sponsor: Corporation Office.

**12:00 p.m. - 1:00 p.m. - Web Publishers User Group.** Meeting of the Web Publishers User Group. Free. Room: 35-225. Sponsor: MIT User Groups.

**12:00 p.m. - 1:00 p.m. - Jeffrey Immelt, Chairman and CEO of General Electric Company.** Part of the Sloan Distinguished Speaker Series. Seating is limited, so please arrive early. Lunch will be served following the speech. Free. Room: Bartos Auditorium, Media Lab. Sponsor: Sloan Office of Alumni and Corporate Relations.

**1:00 p.m. - 7:00 p.m. - Rainbow Lounge Open.** MIT's resource lounge for lesbian, bisexual, gay, transgendered, and questioning members of the community offers a place to hang out, various activities, and a lending library during its open hours. Free. Room: 50-306. Sponsor: lbg@mit.

**1:00 p.m. - 2:00 p.m. - Weight Watchers at Work!** Free. Room: Women's Lounge-Room 8-219. Sponsor: Weight Watchers.

**2:00 p.m. - Admissions Information Session.** Free. Room: Admissions Reception Center. Sponsor: Information Center.

**2:00 p.m. - 3:00 p.m. - MIT Atmospheric Science Seminars.** "Detecting a human influence on North American climate." Free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.

**2:45 p.m. - Campus Tour.** Free. Room: Lobby 7. Sponsor: Information Center.

**3:00 p.m. - 5:00 p.m. - InventioNibble: Cartoon Contortions.** Meet an MIT researcher who designed an interactive zoetrope. Draw the frames of your own animation, and use his invention to control their speed and direction by squishing and twisting unusual homemade sensors. Free with MIT Museum admission. Room: MIT Museum - 265 Mass Ave - N52 - 2nd Floor - Cambridge, MA. Sponsor: MIT Museum.

**4:00 p.m. - Varsity Women's Soccer vs. Bridgewater State.** Free. Room: Steinbrenner Stadium.

**4:15 p.m. - 5:30 p.m. - Physics Colloquium Series: Ripples in a D-wave Sea.** The Physics community is invited to enjoy light refreshments in the Physics Common Rm prior to the lecture at 3:45 p.m. Free. Room: 10-250. Sponsor: Physics Department.

**4:15 p.m. - 5:15 p.m. - Materials Unlimited.** This lecture series highlights the research of the best senior grad students in all areas of materials research. 9/25: Todd Zion, ChemE, "Glucose-Responsive Nanoparticles for Self-Regulated Insulin Delivery." Free. Room: 4-231. Sponsor: Materials Processing Center.

**5:00 p.m. - Deadline: Proposals for Sidney-Pacific Student Exhibit/Sale.** Works by MIT students, presented as part of an Oct. 4 social event which includes a BBQ and dance party. Proposals should include the kind and number of items to exhibit/sell, the kind of stands/display devices to build for their displays, and an estimate of how much funding needed to build these stands, prepare for exhibits etc. S-P suggests that these stands be left in the dorm for future exhibits. Free. Room: Sidney-Pacific Graduate Student Residence. Sponsor: Sidney-Pacific House Council, Sidney-Pacific Arts Council.

**5:00 p.m. - 7:00 p.m. - MIT Communication Forum: Pinker's Farewell.** Legendary professor and author Steven Pinker reflects on his research on language, cognition and creativity and on his career as one of MIT's most admired teachers. Free. Room: Bartos Theater. Sponsor: Communications Forum.

**5:00 p.m. - 8:00 p.m. - Taste of Cambridge.** Toast the town of Cambridge with The Taste of Cambridge. Sample ice cream from Toscanini's; mouth-watering hors d'oeuvres from local Cambridge restaurants; and delicious original cuisine from Chef Chris Schlesinger of The East Coast Grill; Chef Paul O'Connell of Chez Henri; and Chef Tim Durette of The Asgard; and more. All proceeds will help fund the Cambridge Licensee Advisory Board (CLAB) and Shelter, Inc. of Cambridge. CLAB works cooperatively to reduce underage drinking and other violations of liquor laws. Shelter, Inc. provides shelter, meals and substance abuse counseling to homeless men and women in Cambridge. \$23 (reg. \$35 at door). Room: Tech Square Outdoor Courtyard, Cambridge, MA. Sponsor: MITAC.

**5:30 p.m. - 8:30 p.m. - MA Public Health.** Usability testing of MA Public Health's Cancer Awareness site. Free. Room: N42-253. Sponsor: Usability at MIT.

**5:30 p.m. - 6:30 p.m. - Research in Singapore: Bioengineering & Nanotechnology.** Singapore is building a world-class biotech hub through investments in the best infrastructure, talent and technology for the Biomedical Sciences world of tomorrow. You can be at the forefront of biomedical research. Find out more about job opportunities in the Institute of BioEngineering & Nanotechnology (IBN) from Professor Jackie Ying. IBN is seeking highly motivated individuals in research positions including Postdoctoral Fellowships, Research Scientists and Group Leaders, who are interested in making an impact in advancing research and development in the following areas: Nanobiotechnology Delivery of Drugs, Proteins and Genes Tissue Engineering Artificial Organs and Implants Medical Devices Biological and Biomedical ImagingInterested participants are requested to RSVP with CV to [boston@cs.org.sg](mailto:boston@cs.org.sg) by Sept. 22 (Mon). More information can be obtained at [http://www.ibn.a-star.edu.sg/site/ibn\\_cws/index.html](http://www.ibn.a-star.edu.sg/site/ibn_cws/index.html). Free. Room: Building 66 Room 110. Sponsor: Science and Engineering Business Club. Contact Singapore.

**5:30 p.m. - 7:00 p.m. - Weekly Grad Student Bible Study for Absolute Beginners.** Weekly informal Bible study for grad students; refreshments provided; lgbt welcome. Free. Room: W11-007. Sponsor: Lutheran-Episcopal Ministry.

**6:03 p.m. - 7:00 p.m. - Weekly meetings.** Regular meeting of the core group at Muddy Charles. Free. Room: Muddy Charles. Sponsor: Techlink.

**6:30 p.m. - 9:30 p.m. - BITAG Fastrack.** Meeting of the BITAG Fastrack group. Free. Room: E51-372. Sponsor: MIT User Groups.

**7:00 p.m. - 9:00 p.m. - Graduate Christian Fellowship Bible Study.** Come join us for Bible study, prayer, and fellowship! We are currently studying the book of Ephesians. Free. Room: W11-080. Sponsor: Graduate Christian Fellowship, GSC Funding Board.

**7:30 p.m. - Peggy Seeger, Composer, Musician, and Singer.** Born in New York City, Seeger was the daughter of Ruth Crawford and Charles Seeger, both professional musicians and teachers. Accomplished on guitar, banjo, Appalachian dulcimer, autoharp and concertina, Seeger started singing folksongs professionally after majoring in music at college. A British subject since 1959, she first went to the U.K. in 1956, as an actress in the television film, "Dark Side Of The Moon." Seeger has long championed women's rights through many of her songs. One such song, "Gonna Be An Engineer," is possibly her best-known on the subject of equal rights for women. Owing to her knowledge of folk music, Seeger was a leading light in the English folk song revival. The artist is in residence at MIT Sept 23-26. Free. Room: Wong Auditorium. Sponsor: Women's Studies Program, Music and Theater Arts Section.

**8:00 p.m. - 11:00 p.m. - CF After Hours by 2004.** An open event where both students and recruiters will be invited for dessert and rest after a full day of work. Free. Room: Student Center 1st & 2nd Floors. Sponsor: MIT Career Fair Committee.

**8:00 p.m. - 10:00 p.m. - IFILM Film Seminar.** Screening of Pane e Tulipani (Bread and Tulips) followed by a discussion. Light refreshments provided. More information on our web site. Free. Room: 4-237. Sponsor: International Film Club, GSC Funding Board.

**8:30 p.m. - 10:30 p.m. - Scuba pool refresher.** Has it been awhile since your last time in the water with scuba gear on? No problem - we've reserved the new pool just so you can get the cobwebs off your gear. If you have certification, you can come practice a few skills in the pool with some of our more experienced divers to lend a hand. Free. Room: Zesiger pool. Sponsor: Graduate Student Council, Scuba Club.

**8:30 p.m. - 10:00 p.m. - Underwater Hockey.** The MIT SCUBA Club invites all to participate in Underwater Hockey. Underwater Hockey is an exciting co-ed sport played at the bottom of a pool with a short stick and a lead puck. Free. Room: Z-pool. Sponsor: Scuba Club, GSC Funding Board. Scuba Club, Undergraduate Association.

**9:00 p.m. - 10:00 p.m. - Coffee Hour.** Food and drink - an Ashdown tradition. Free. Room: Hulsizer Room (W1). Sponsor: Ashdown House.

**9:00 p.m. - 1:00 a.m. - Night out at the Burren.** Outing to the Burren in Davis Square. Free. Room: The Burren. Sponsor: Hibernian Society.

**10:00 p.m. - 11:59 p.m. - Movie Night.** Movie and food - free for all!!!. Free. Room: Big TV Room (W1). Sponsor: Ashdown House.

**11:59 p.m. - Campus Disc Golf.** Do you like tossing a disc? Do you enjoy friendly competition? Or if you're just up for midnight antics, then come on out! Meet outside the Student Center on the front steps, and don't forget to bring a disc! Don't hesitate to come, newcomers are always welcomed - We meet every Thursday at midnight. Questions, contact Daniel Turek, [macgyver@mit.edu](mailto:macgyver@mit.edu). bring your own disc! Room: Student Center steps. Sponsor: Campus Disc Golf.



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National Executive Director,  
Childreach with a sponsored  
child in Tarija, Bolivia.

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Massachusetts Institute of Technology on September 24 and 25, 2003

NASA's 2003- 2004 College Recruitment Program

## ***Calling all Science, Engineering and Business Management majors***

***NASA is coming to YOUR campus and wants to talk to YOU...***

...about future job openings, fellowship and internship opportunities, your participation in NASA-related research on your campus, and your interest in working for today's employer of choice-the National Aeronautics and Space Administration.

You are invited to join NASA representatives at the Massachusetts Institute of Technology on September 24 and 25, 2003, for a reception and career fair. NASA will provide group and individual information sessions on employment, education, and research opportunities with the world's premier aerospace research agency.

### ***NASA Information Session***

***September 24, 5-6 p.m.***

***Building 33, Guggenheim Lab, Room 33-116 and adjacent lab area***

Please RSVP by pre-registering online at [www.nasajobs.nasa.gov](http://www.nasajobs.nasa.gov). By visiting our website and pre-registering you will be able to request a personal consultation with a NASA technical recruiter. You are also invited to attend the NASA informational session.

Register online at [www.nasajobs.nasa.gov](http://www.nasajobs.nasa.gov) to view agendas and request a consultation with a NASA recruiter.

**[www.nasajobs.nasa.gov](http://www.nasajobs.nasa.gov)**

# Increased Rent Expenses Could Raise Interest Rates for MITFCU

MITFCU, from Page 1

only loosely affiliated with MIT. Under a lease agreement that was established four years ago, the credit union pays rent for space in Building E39, which houses its lending center, but does not pay rent for space in Building E19.

## Rent may negatively affect FCU

The credit union is a not-for-profit organization; an added expense such as rent payment could negatively affect the business that MITFCU conducts with the MIT community and the services it provides, Ducharme said. He said the

MIT Comptroller's Accounting Office approached the credit union with the plan.

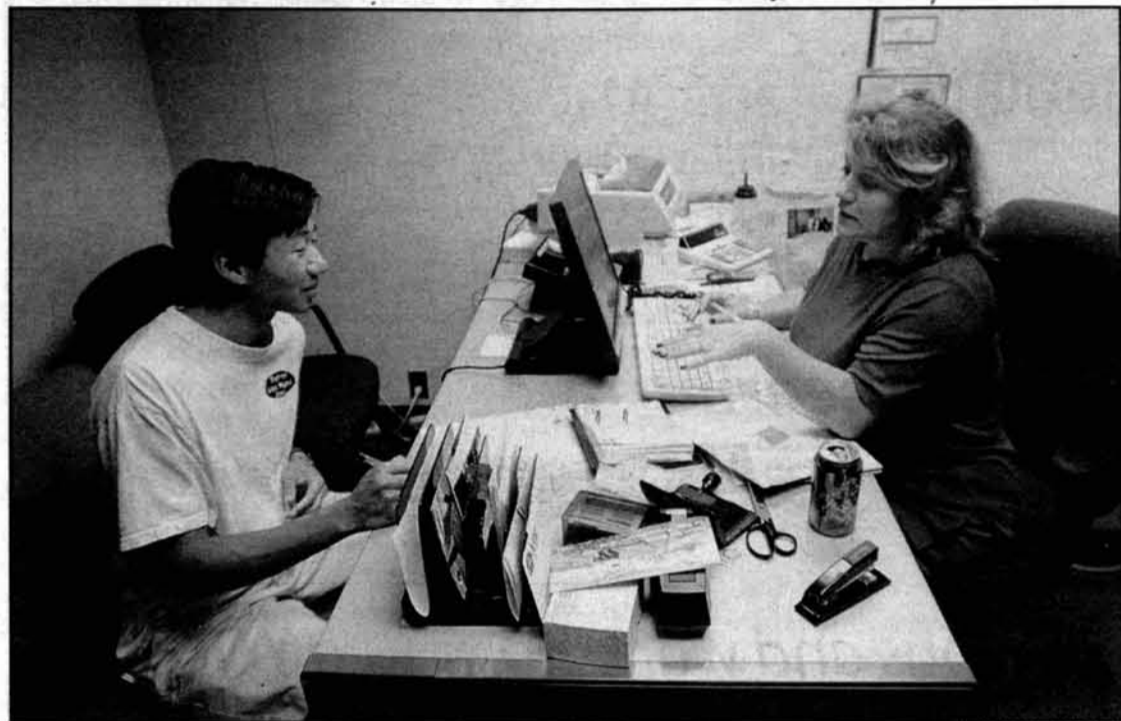
Ducharme would not speculate about the possible effects the plan would have upon the credit union's clientele because he said that the credit union has not been approached with a rent offer. He did say, however, that in general, added expenses could result in increased interest rates on loans or decreased dividends on savings accounts.

Morgan said that the current discussions are for additional space. "They're looking to make their space more functional," Morgan said.

He said that the credit union wants to consolidate its space in Building E39 with the space it occupies in the E19 corridor.

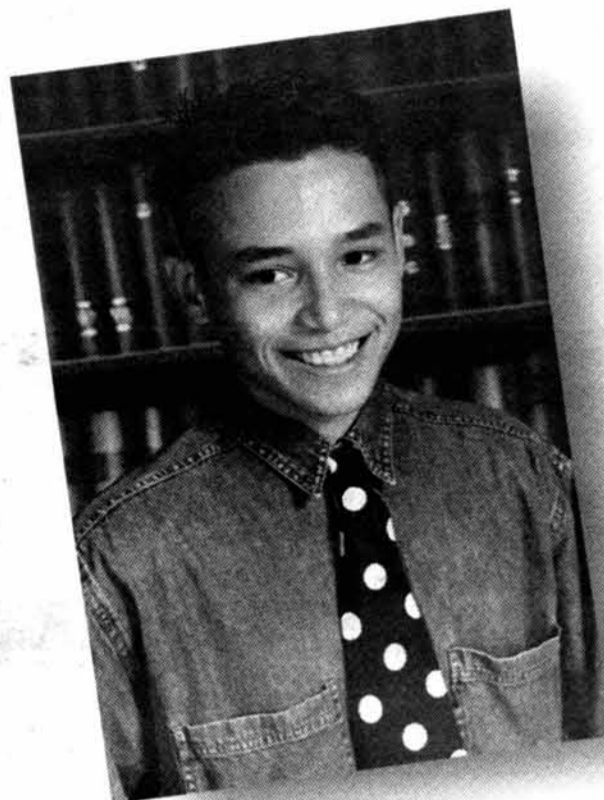
## MIT wants 'fair share' to be paid

Morgan said that MIT is in discussions with the credit union because MIT feels it is necessary for entities that occupy space on campus to pay their "fair share" of costs associated with that space. Most non-MIT-affiliated entities that are on campus already operate under rent arrangements, he said, and some others are currently in discussions about space rental plans.



Member Relations Representative Donna B. Reardon helps David R. Cheng '04 open an account at the MIT Federal Credit Union. MIT will begin to charge rent to MITFCU for space in Building E19 if the credit union chooses to stay on campus.

WENDY GU—THE TECH



Aaron Rodriguez  
Ballplayer freshman year.  
Little League Coach sophomore year.  
Killed junior year.  
December 28, 1993  
San Antonio, TX

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## Vol 1, No 11

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## ask a Medlink



I'm NOT pregnant, why do they keep asking?

### WE DON'T MAKE THIS STUFF UP!

All questions appearing in this column are real questions submitted by real people (and answered by real MedLinks)

Do you have a question? Send it by email to askamedlink@mit.edu, submit it anonymously using the online form at <http://web.mit.edu/medlinks/www/>, or use campus mail (Ask A MedLink, E23-405). We can't respond individually, but we'll answer as many questions as we can in this space. And you can always feel free to talk with a MedLink in person, see [web.mit.edu/medlinks/www/](http://web.mit.edu/medlinks/www/) to find the MedLink(s) in your living group.

**MedLinks**  
Students Promoting Health at MIT

*Dear MedLink:* Whenever I see a male doctor at MIT Medical, they always ask me if I'm pregnant. I'm sick of this question. I haven't had sex yet, so I know I'm not pregnant. Why do they keep asking? It's embarrassing.  
—Feeling Pestereed

*Dear Pestereed:* I've also been asked this question by MIT Medical clinicians—both male and female. Like you, I wondered why they were asking me. So I asked them!

Turned out, it wasn't just me. Clinicians routinely ask this question of all female patients, because the answer can often determine decisions about diagnostic tests or treatments. For example, if your doctor is considering something as simple as an x-ray or certain prescription

drugs, he or she absolutely needs to know if there is any chance you might be pregnant. Certain drugs taken during pregnancy can cause health problems in a pregnant woman and birth defects in a baby; radiation from an x-ray can also harm a developing fetus.

I totally understand that it is not always easy for people to discuss more intimate issues with their doctors (or their parents or friends, for that matter). That's why it's so important to choose a personal physician with whom you feel comfortable. Once you've met with your personal physician a few times and developed some trust, it will be easier to discuss all your health concerns. —Pam '04



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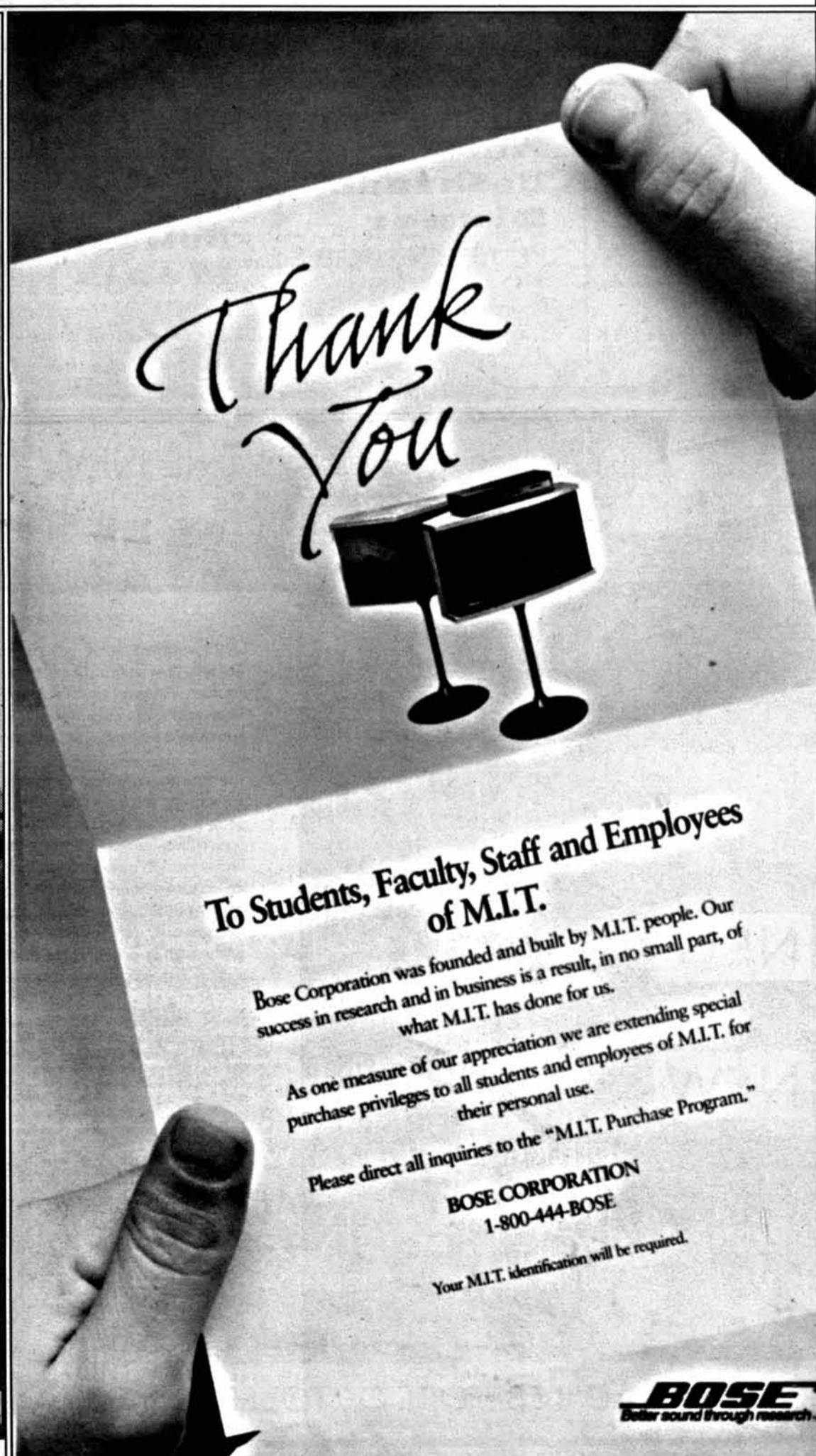
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\*Source: Freeman & Co. estimate 2000-2002.

"Bank of the Year" - Investment Dealer's Digest 2003



Ben Lambert / Equity Research / London

# Japanese Puppetry in Kresge



Left: Two puppeteers perform a joyful ritual dance known as Sanbaso, which gives thanks to the gods while praying for a prosperous and stable future. Sanbaso is performed on specific occasions, such as New Year's. If performed in theater, it is always placed at the beginning of the program.

Below left: Princess Kuzunoha cares for her son Dojimaruru in "Kuzunoha" (Leaf of Kuzu). Kuzunoha is a magical fox who lived many years in the human form of a beautiful princess to repay Yasuna Abe, who saved her a hunter. When she accidentally reveals her fox form to her son, Kuzunoha is forced to leave her family and return to the forest of Shinoda.

Below: "Tokaido-chu Kizakurige" (Adventure on the Road to Kyoto) spins the adventures of Yaji and Kita, short for Yajirobei and Kitahachi, from a best-selling comic novel into a series of puppet antics and jokes. In this scene, Yaji has disguised himself as a fox spirit to frighten his friend and demands that Kita eat horse droppings.

The Japan Society of Boston and the MIT Japan Program co-presented Hachioji Kuruma Puppet Theater on Sunday, Sept. 21, at 7 p.m. in Kresge Auditorium. The Boston performance included three pieces: "Sanbaso," "Kuzunoha," and "Tokaido-chu Hizakurige." In Kuruma puppetry, a single puppeteer controls the puppet while he moves on a seat with casters. The Kuruma form of puppet theater was created by the first Nishikawa Koryu in the late Edo Period (1603-1868) and is now considered an Intangible Cultural Asset by the Tokyo Metropolitan Government.

Photography by Jina Kim



## Useful Telephone Numbers



|                         |                |
|-------------------------|----------------|
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| <b>The Tech</b>         | <b>x3-1541</b> |
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# Morgan Stanley

# Course X Also Expands Classes

BE, from Page 1

full time equivalents," Griffith said. Redwine says that he does not expect the new major to cost much because "departments change all the time [and] we continuously see changes."

Griffith said that funding for the bioengineering major will come from both inside and outside sources.

"The Whitaker Foundation has provided several million dollars to MIT for bioengineering," said Griffith.

"I'm really excited about how it's going to strengthen the ties between engineering and science," said Assistant Professor of Mechanical Engineering Matthew J. Lang, an advisor for the biomedical engineering society.

"I wish it were offered earlier," said Lili X. Peng '05, vice-president of special projects for the Biomedical Engineering Society.

**Courses II, X add bioengineering**  
Last spring, Course X-B, Chemical and Biological Engineering, passed the Committee on Curricula.

The program will have to be approved by the Committee on Undergraduate Programs, the Faculty Policy Committee, as well as the whole faculty before it is offered as an official major.

The major "should be available fall 2004" Micus said.

Course "10-B is essentially a chemistry core with a major in [biology]," said Griffith.

Course II is also offering a II-A "biotrack," where students take the core mechanical engineering classes as well as bioengineering classes.



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|---------------------|-----|------|------|
| Alpha Delta Phi     | 0   | 0    | 0    |
| Alpha Epsilon Pi    | 0   | 1    | 0    |
| Alpha Theta Omega   | 6   | 3    | 1    |
| Beta Theta Pi       | 2   | 2    | 1    |
| Chi Phi             | 7   | 4    | 0    |
| Delta Kappa Epsilon | 3   | 4    | 1    |
| Delta Tau Delta     | 3   | 0    | 0    |
| Delta Upsilon       | 10  | 4    | 0    |
| Kappa Sigma         | 4   | 3    | 0    |
| Lambda Chi Alpha    | 1   | 5    | 1    |
| Number 6 Club       | 0   | 1    | 0    |
| Nu Delta            | 1   | 3    | 0    |
| Phi Beta Epsilon    | 1   | 5    | 1    |
| Phi Delta Theta     | 5   | 4    | 1    |
| Phi Kappa Sigma     | 2   | 1    | 0    |
| Pi Lambda Phi       | 0   | 0    | 0    |
| Sigma Chi           | 5   | 3    | 1    |
| Sigma Nu            | 2   | 1    | 0    |
| Sigma Phi Epsilon   | 0   | 1    | 2    |
| Tau Epsilon Phi     | 0   | 0    | 0    |
| Theta Chi           | 4   | 1    | 0    |
| Theta Delta Chi     | 0   | 3    | 0    |
| Theta Xi            | 1   | 2    | 2    |
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### Solution to Crossword

from page 11

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | O | V | E | A | B | L | E | S | A | G | A | S |
| A | R | E | A | F | R | A | I | C | L | O | N | E |
| F | A | I | R | T | R | A | D | E | A | L | O | N |
| E | L | L | S | A | Y | S | O | R | O | D | E | O |
| S | K | I | S | P | E | R | T | H |   |   |   |   |
| F | A | B | L | E | D | N | E | V | E | E | A | T |
| O | R | E | A | D | B | O | N | E | D | A | M | O |
| R | E | S | T | T | U | N | E | R | P | L | A | N |
| T | N | T | R | U | M | O | R | R | I | T | Z | Y |
| H | A | I | E | B | B | S | T | I | T | H | E | S |
| N | A | V | E | L | V | A | N | S |   |   |   |   |
| P | O | S | S | E | E | D | I | T | S | M | I | C |
| A | B | H | O | R | B | E | T | T | E | R | O | F |
| N | O | O | N | E | E | L | A | L | I | N | F | O |
| S | E | W | E | D | E | L | L | E | M | A | Y | S |

### Solution to Chessmate

- from page 11
1. Bd5+ Be6 2. Bxe6+ Kh8
  3. Ng6+ hxg6 4. Qh6#

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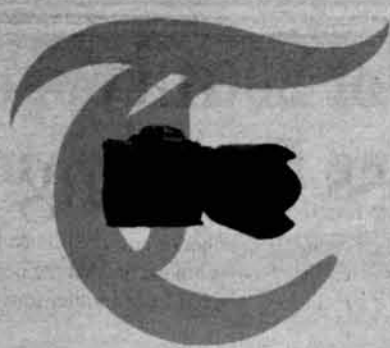
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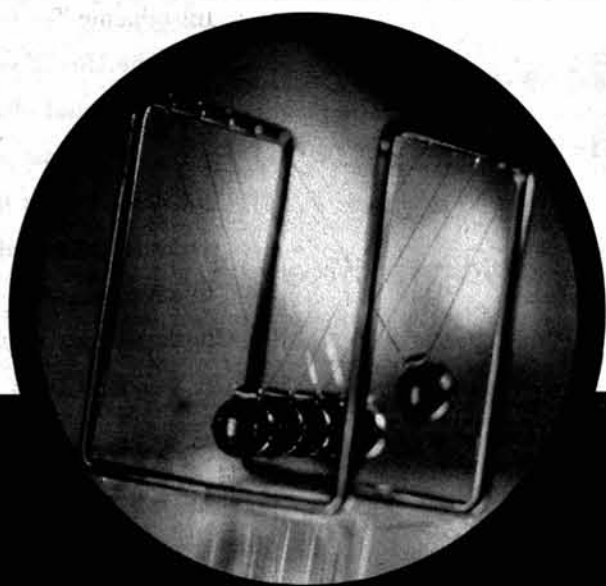
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And don't forget to stop by our "Office Hours" on October 1st to meet Microsoft representatives one-on-one. We'll be in the Faculty Club, Dining Room 3. See you then!

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**Microsoft**



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"You can prevent colon cancer, even beat it."

• HILLARY RODHAM CLINTON •

## MAKE THE TIME TO GET A TEST THAT COULD SAVE YOUR LIFE.

Colon cancer is the second leading cancer killer and everyone aged 50 and older is at risk. More than 50,000 Americans will die from colon cancer and 131,600 new cases will be diagnosed this year.

Colon cancer is an equal opportunity disease that affects both women and men. This silent killer frequently begins without symptoms and those with a family history are at even greater risk.

Colon cancer is preventable—even curable when detected early. In fact, if cancer is found early enough, the patient has more than a 90 percent chance of survival.

Colon cancer screenings are safe and effective and are now covered by Medicare and an increasing number of other health providers. There's even a test that can be used in the privacy of your own home.

Talk to your doctor about getting tested.



NATIONAL Colorectal Cancer ROUNDTABLE

SPONSORED BY THE NATIONAL COLORECTAL CANCER ROUNDTABLE FOR MORE INFORMATION, CALL THE AMERICAN CANCER SOCIETY AT 1-800-ACS-2345

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## IT'S A GUY THING!

### SO WE KNOW YOU'LL UNDERSTAND

California Cryobank, the world's leading reproductive tissue bank, is looking for healthy males, in college or with a college degree, to become a part of our anonymous sperm donor program. As a donor you will:

- receive up to \$900 a month.
- experience a minimal time commitment with flexible hours.
- receive a free comprehensive health and genetic screening.
- help infertile couples realize their dreams of parenthood.

For more information or to see if you qualify call 1-800-231-3373 ext. 41 or visit us on the web at [www.cryobank.com](http://www.cryobank.com).



1-800-231-3373 Ext. 41  
[www.cryobank.com](http://www.cryobank.com)

## Class of 2004 Council Voting Breakdown

Below are the vote counts from the recent class council elections. Only numbers from contested races are shown.

Voting proceeds preferentially: at every iteration, if no candidate has the majority of votes cast, the last-place candidate is dropped and his votes are redistributed to the next choice listed on those ballots.

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For class of 2007 results, see page 27.

### Class of 2004 President

| Candidate     | 1          | 2          | 3          | 4          | 5          | 6          |
|---------------|------------|------------|------------|------------|------------|------------|
| Goodwin Chen  | <b>104</b> | <b>104</b> | <b>108</b> | <b>111</b> | 119        | 146        |
| Maria Hidalgo | 96         | 97         | 100        | 109        | <b>130</b> | <b>177</b> |
| Joe Jacobs    | 22         | 22         |            |            |            |            |
| Patrick Kim   | 40         | 40         | 45         |            |            |            |
| Atif Z. Qadir | 82         | 83         | 86         | 98         | 115        |            |
| Nadjia Yousif | 71         | 71         | 74         | 77         |            |            |
| Write-ins     | 4          |            |            |            |            |            |

### Class of 2004 Social Chairs

| Candidate                     | 1          |
|-------------------------------|------------|
| Nate Ackerman and Jason Liang | 113        |
| Mimi Liu and Dev Majumdar     | <b>190</b> |
| Write-ins                     | 23         |

SOURCE: UA ELECTIONS COMMISSION

# NIGHTLINE

Is it the jet engine that moves the plane?  
Or is it the idea that led to the jet engine?

At GE, we believe in the power of ideas. Ideas that not only reliably propel countless aircraft through the sky but make the world better than it was the day before. If you have those kinds of ideas, we hope you contact us.

**GE Careers**  
[gecareers.com](http://gecareers.com)


## The future relies on inventions from GE.

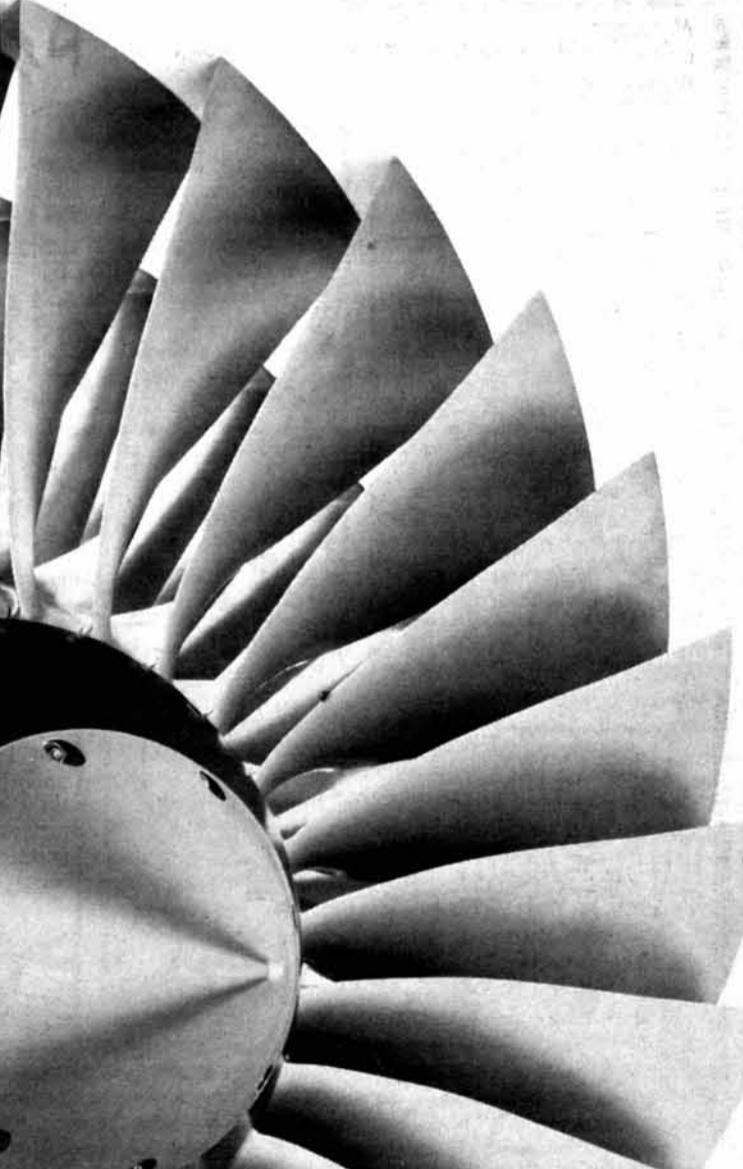
## GE's future relies on people like you.


### Career Fair

Johnson Athletic Center  
September 25, 2003  
11:00 AM - 7:00 PM


Come meet GE representatives and learn about opportunities for full-time and intern positions.

imagination at work 







Aircraft Engines




Commercial Finance




Consumer Finance




Consumer Products




Equipment Management




Industrial Systems




Insurance




Medical Systems




NBC




Plastics



Power Systems



Specialty Materials



Transportation Systems

[www.gecareers.com](http://www.gecareers.com)

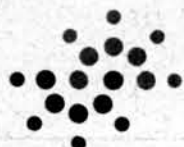


TO BE OR NOT TO  
BE, THAT'S THE  
ROOT OF 4b<sup>2</sup>.

# Tired of reading dumb MIT jokes?

Then draw comics  
for The Tech!

[join@the-tech.mit.edu](mailto:join@the-tech.mit.edu)



MIT  
PUBLIC SERVICE CENTER

[web.mit.edu/mitpsc](http://web.mit.edu/mitpsc)

**How will YOU change the world? Stop by the MIT PSC to get started!**

This space donated by The Tech

## MIT Department of FACILITIES CAMPUS CONSTRUCTION UPDATE

### Ames Street

Beginning on September 22 and continuing for approximately eight weeks, telecommunications conduit (duct bank) will be installed along sections of Main and Ames Streets. The construction will take place in several stages and will have a major impact on pedestrian and vehicular traffic. The surrounding area may experience vibration, noise, and dust. Two Linden trees at the Main Street edge of the food truck seating area will be relocated to replace two Lindens in the same area.

### Stata Center

Roof installation has started for the Gates and Dreyfoos Towers. Elevators 9 and 10 in the Stata parking garage will be shut down and unavailable for use from Wednesday, September 24 at 11 p.m. until Thursday, September 25, at 7 a.m. to allow for rerouting of electrical conduits.

### Brain and cognitive sciences project

Erection of steel continues on the north and south portion of the site. Lifting and placement of diagonal trusses will begin soon. Assembly of a large crane, which will lift steel trusses and girders above the railroad tracks, is underway.

### Building 4 roof repair

New roof installation is currently in progress. Due to excessive rain, projected completion of this project is now mid-October. From September 22-30, roofers will be working on the section above lab area 469-474.

For more information on MIT's building program, visit [web.mit.edu/evolving](http://web.mit.edu/evolving). This information provided by the MIT Department of Facilities.

## 2003-2004 EMBS-BMES Distinguished Lecture Series

### Enabling Single Molecule Biology

**Steven R. Gullans, Ph.D.**

Chief Scientific Officer, US Genomics  
Associate Professor,  
Harvard Medical School

~\* Tuesday, September 23rd, 2003 ~\*  
7PM (Refreshments at 6:30PM)  
MIT, Room 4-370

Questions? Contact Mandy Yeung ([mandyy@mit.edu](mailto:mandyy@mit.edu)), MIT Biomedical Engineering Society, VP of Special Programs

## Another Arts Success Story !!!!!

(Next Grants Deadline: September 26!!!!)



My days were filled with frustration - could anyone understand how I yearned to express myself artistically?

One day my office mate, Ted, seemed particularly fulfilled....

Why so happy, Ted?

I just got funding for my video project!

Wow! How did that happen?

I applied to the Council for the Arts at MIT Grants Program!!

I stopped by E15-205, the Office of the Arts.

Just fill in an application form and supply some supporting material...

Like my resume? And letters of recommendation?

About a month after the deadline, it was time to meet with a member of the Council to talk about my project

I brought a tape of some of my previous work and those updated budget figures you asked for!

My site visit with the Grants Committee member went well. Encouraging? And how!

Bill, I am confident that your song cycle, "Problem Sets," will have a great deal of relevance for many MIT students....

The next day....



I got the Grant! Now my artistic yearnings won't wither and die due to lack of funds!

That's right! You, too, can be part of an

## ARTS SUCCESS STORY!!!

Apply to the Council for the Arts at MIT Grants Program!!!!!!

We strongly suggest that you make an appointment to discuss your application. Please contact Magda Fernandez at [msf@mit.edu](mailto:msf@mit.edu) for more information

<http://web.mit.edu/arts/grants/grantguide.html>

# BE AT THE RIGHT PLACE AT THE RIGHT TIME.

FOR PLACE AND TIME, SEE BELOW.

Is Goldman Sachs truly the "right place"? Well, if you're eager to join a dynamic culture of motivated, well-rounded people – and to work alongside the world's best companies – the answer is yes. Is this really the "right time"? In this period of global transformation, companies, investors, governments and institutions from around the globe are seeking our unique brand of support. To be part of it, stop by our upcoming campus visit. After all, why leave your future to chance?



## **Goldman, Sachs & Co.**

### **Firmwide Information Session**

Wednesday, September 24, 2003  
6:00 pm – 7:30 pm  
Cambridge Center Marriott

**Online Application Deadline at [www.gs.com/careers](http://www.gs.com/careers):**  
Sunday, September 28, 2003

PLEASE VISIT [GS.COM/CAREERS](http://GS.COM/CAREERS) TO COMPLETE AN ONLINE APPLICATION.  
Goldman Sachs is an equal opportunity employer.

**[GS.COM/CAREERS](http://GS.COM/CAREERS)**



## Class of 2007 Council Voting Breakdown

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For class of 2004 results, see page 24.

### Class of 2007 President

| Candidate               | Iteration |           |           |            |            |            |            |
|-------------------------|-----------|-----------|-----------|------------|------------|------------|------------|
|                         | 1         | 2         | 3         | 4          | 5          | 6          | 7          |
| Michael Hall            | 46        | 47        | 48        | 50         | 52         |            |            |
| Naveen Krishnan         | 27        | 27        | 27        |            |            |            |            |
| Toyya Pujol-Mitchell    | 30        | 30        | 30        | 35         |            |            |            |
| Paul Puskarich          | 62        | 62        | 62        | 62         | 66         | 83         | 108        |
| <b>Elizabeth Ricker</b> | <b>94</b> | <b>94</b> | <b>94</b> | <b>101</b> | <b>111</b> | <b>128</b> | <b>157</b> |
| Adam Smith              | 55        | 56        | 56        | 58         | 67         | 72         |            |
| Write-ins               | 9         | 6         |           |            |            |            |            |

### Class of 2007 Social Chairs

| Candidate                           | Iteration  |            |            |            |            |
|-------------------------------------|------------|------------|------------|------------|------------|
|                                     | 1          | 2          | 3          | 4          | 5          |
| <b>Ovid Amadi and Melvin Makhni</b> | <b>126</b> | <b>127</b> | <b>127</b> | <b>137</b> | <b>152</b> |
| Megan Arp and Heather Pressler      | 53         | 53         | 53         |            |            |
| Iris Cheung and Pat Petitti         | 56         | 58         | 58         | 67         |            |
| Heather Coffin and Laura Sutton     | 58         | 60         | 60         | 72         | 98         |
| Write-ins                           | 13         | 4          |            |            |            |

### Class of 2007 Treasurer

| Candidate     | Iteration  |   |
|---------------|------------|---|
|               | 1          | 2 |
| Xiaolu Ning   | 46         |   |
| Aparna Rao    | 83         |   |
| <b>Ray Wu</b> | <b>147</b> |   |
| Write-ins     | 15         |   |

SOURCE: UA ELECTIONS COMMISSION

## Want to Work for a Hedge Fund?

AQR Capital Management is a multi-strategy alternative investment manager based in New York City managing over \$6 billion for more than 450 of some of the world's most sophisticated institutional and high net worth individuals.

The Company's investment products are provided through a limited set of collective investment vehicles and separate accounts that deploy all or a subset of the Company's investment strategies. These investment products span from aggressive high volatility market-neutral hedge funds, to low volatility benchmark-driven traditional products.

We are hiring for a 2-year analyst position to join our research and trading team. Students with outstanding academic accomplishments who have majored in computer science, economics, finance, statistics, or any other quantitative background are encouraged to attend our company presentation:

September 29, 2003  
5:30pm - 7:00pm  
Room 4-145

Resume Drop Date: October 2, 2003

All graduating seniors are welcome. Refreshments will be served.

<http://www.aqrcapital.com>

E-mail: [recruiting@aqrcapital.com](mailto:recruiting@aqrcapital.com)

Fax: 212-940-3648

Mail: 900 Third Avenue, 17<sup>th</sup> Floor, New York, NY 10022

AQR | CAPITAL  
MANAGEMENT

*For those who think a "good job" means  
90-hour work weeks and pin-stripe suits ...*

### Consider Something Different.

McMaster-Carr is a leader in the distribution of industrial products all over the world. Located in Chicago, our Information Systems department offers a balanced work-life, a casual atmosphere, and ample opportunity to demonstrate your abilities to analyze processes, solve problems, and implement change. For over 100 years the caliber of our company and our people has enabled us to be considered among the very best by our customers.

We are looking for individuals who have demonstrated curiosity, intelligence, creativity, and excellence through achievement. Our benefits and compensation reflect our desire to attract and retain the very best people.

**McMASTER-CARR**

[www.mcmaster.com/careers](http://www.mcmaster.com/careers)

Career Fair September 25<sup>th</sup>  
Info. Session October 16<sup>th</sup>  
Interviews November 7<sup>th</sup>  
Sign up on InterviewTrak

### STUDENT TRAVEL

meet a Real World Paris  
cast member!

**WHAT:** Come meet  
Mallory and CT!  
**WHEN:** Friday,  
Sept. 26th, 12 - 2 pm  
**WHERE:** The STA Travel  
branch in the MIT  
Student Center



Mallory



CT



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Get autographs, take photos, and hear the stories! ENTER TO WIN STA Travel's **Elevate Europe**—the trip the cast went on!

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# We need someone with the confidence of a surgeon, the dedication of a marathoner and the courage of an explorer.

We have a unique opportunity for someone very special.

A chance to spend two years in another country. To live and work in another culture. To learn a new language and acquire new skills.

The person we're looking for might be a farmer, a for-ester, or a retired nurse. Or

maybe a teacher, a mechanic, or a recent college graduate.

We need someone to join over 5,000 people already working in 60 developing countries around the world. To help people live better lives.

We need someone special. And we ask a lot. But only because so much is needed. If this

sounds interesting to you, maybe you're the person we're looking for. A Peace Corps volunteer. Find out. Call us at

(Collect) 617-565-5555 x598

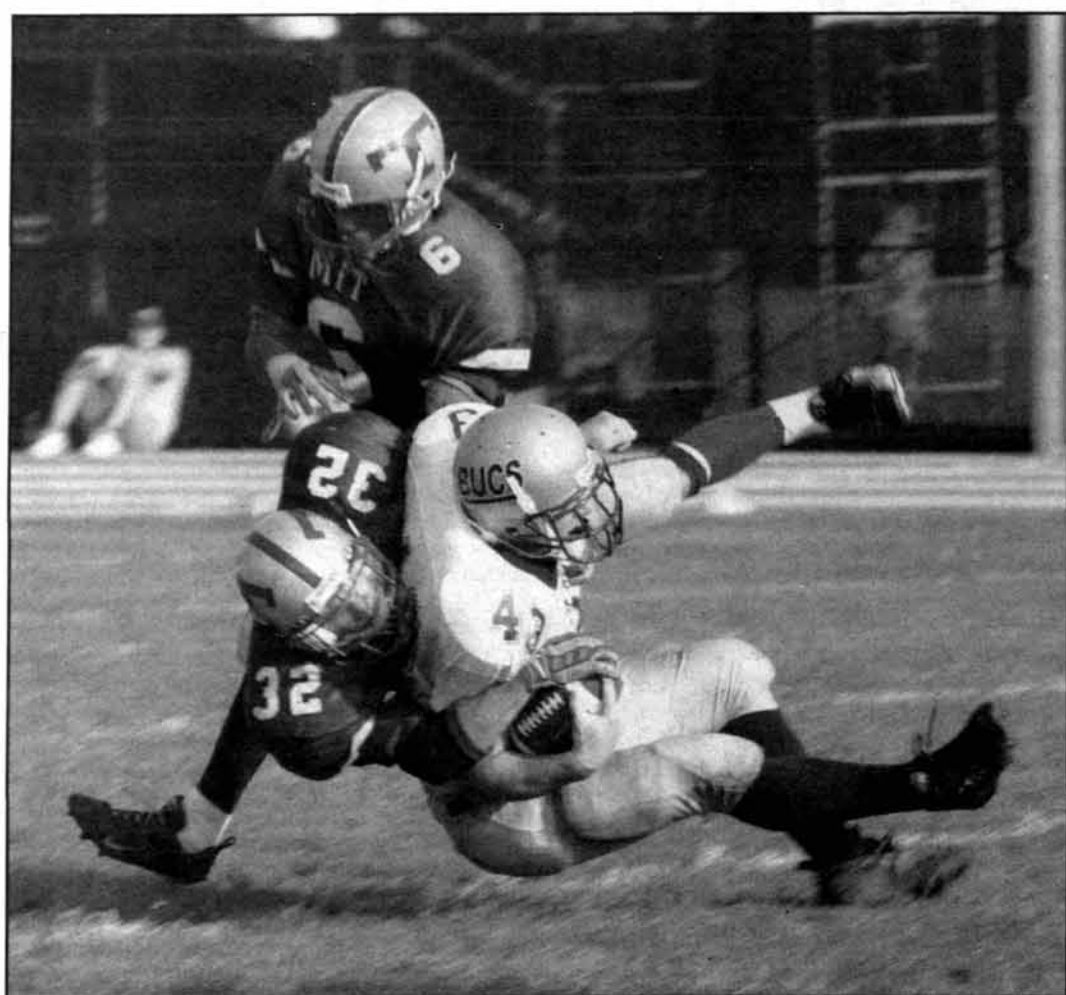
**Peace Corps.**

The toughest job you'll ever love.



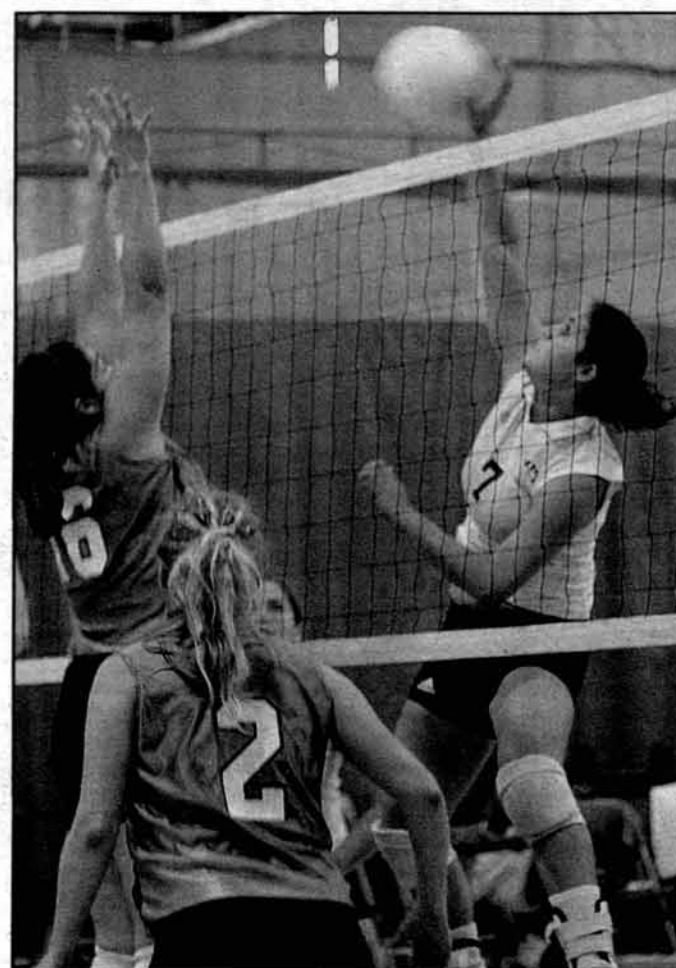
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# SPORTS



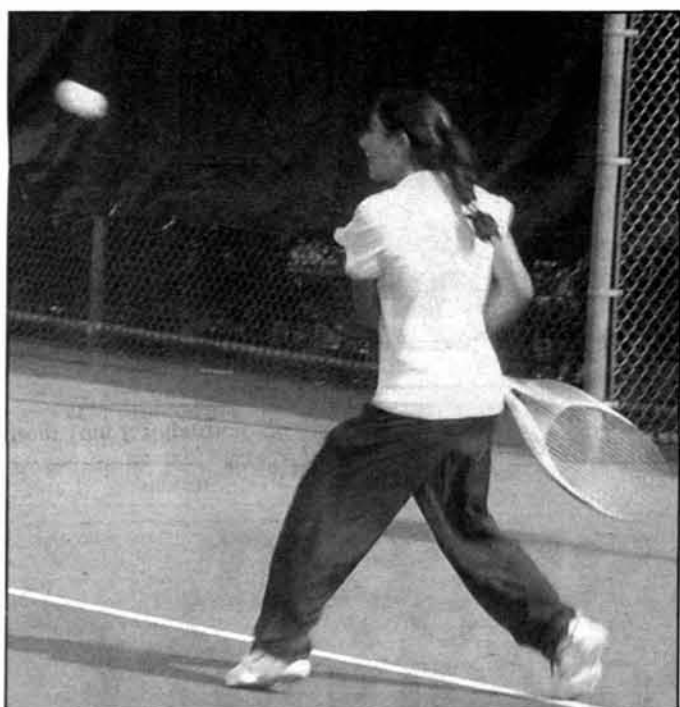
ERIC J. CHOLANKERIL—THE TECH

Mark D. Boudreau '05 takes down Keith Griffin of Massachusetts Maritime Academy. MIT defeated the Buccaneers 42-18 on Saturday with three touchdowns from David J. Ostlund '04 and two from Tom J. Kilpatrick '05.



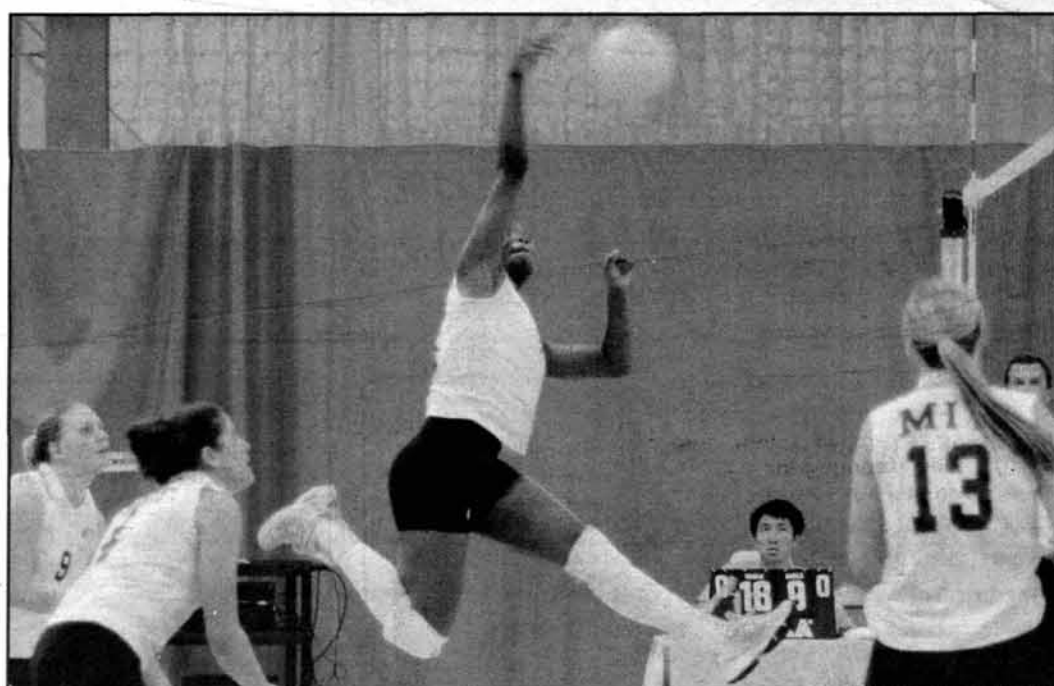
PETER R. RUSSO—THE TECH

Outside hitter Arlis A. Reynolds '06 taps the ball over the net and past two Mount Holyoke players Saturday, Sept. 20. MIT swept the match with game scores of 30-13, 30-14, and 30-14.



GOODWIN CHEN

First-ranked female singles player Shima Rayej '04 winds up for a backhand while demolishing her opponent 6-1, 6-2.



PETER R. RUSSO—THE TECH

Co-captain Nydia M. Clayton '04 leaps for the ball during the MIT women's volleyball match Saturday. The team, which boasts an 8-1 record, plays at home in the MIT Tournament this Friday and Saturday.

## UPCOMING HOME EVENTS

Tuesday, Sept. 23  
4 p.m., Women's Soccer, Fitchburg State.  
Thursday, Sept. 25  
4 p.m., Women's Soccer, Bridgewater State.  
Friday, Sept. 26  
TBA, Women's Volleyball, MIT Tournament.

## Production

We make *them* look good

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Not the greatest at sports?  
Write about them instead!

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missing out on...



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